53rd Annual Meeting

of the

Texas Chapter

of The Wildlife Society

Wildlife Conservation and Management on Private Lands

16–18 February 2017       San Antonio, Texas
2016–2017 EXECUTIVE BOARD

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PROGRAM

TYLER CAMPBELL

LOCAL ARRANGEMENTS

ERIC GRAHMANN

POSTERS

HEATHER MATHEWSON
# MEETING SCHEDULE

**Wednesday, 15 February**  
6:00 PM–9:00 PM  Plant ID Set-up  
Executive Salon 4

**Thursday, 16 February**  
8:00 AM–8:00 PM  Registration  
Second Floor Foyer
8:00 AM–12:00 PM  Exhibitor Set-up  
Third Floor
8:00 AM–12:00 PM  Landscape Ecology Workshop  
San Antonio Ballroom
8:00 AM–12:00 PM  AgriLife Extension Unit Meeting  
Directors Room 2
8:00 AM–3:00 PM  Poster Session Set-up Period  
Fiesta Pavilion
8:00 AM–4:00 PM  Distance Sampling/Modeling Workshop  
Lone Star
8:00 AM–12:00 PM  Habitat Mgt. Incentives Workshop  
Boardroom
10:00 AM–12:00 PM  TWS Certification Workshop  
Executive Salon 5
10:00 AM–12:00 PM  TCTWS Executive Meeting  
Executive Salon 3
12:00 PM–9:00 PM  TCTWS Office Work Space  
Directors Room 2
1:00 PM–5:00 PM  Speaker Prep  
Second Floor Foyer
1:00 PM–6:00 PM  Submit for Art & Photo Contest  
Executive Salon 1
1:00 PM–5:00 PM  Plant ID Competition  
Fiesta Pavilion
2:00 PM–4:00 PM  TCTWS Business Meeting  
Executive Salon 3
3:00 PM–5:00 PM  TWA Conservation Affairs Committee  
Boardroom
3:15 PM–5:00 PM  Texas Quiz Bowl Competition  
San Antonio Ballroom
4:00 PM–5:00 PM  Southwest Section of TWS meeting  
Executive Salon 3
4:00 PM–6:00 PM  Poster Session Judging  
Fiesta Pavilion
5:30 PM–6:30 PM  Student Mentor Mixer  
Fiesta Pavilion
6:30 PM–10:00 PM  President’s Reception  
Fiesta Pavilion

**Friday, 17 February**  
7:00 AM–8:00 AM  Student Breakfast  
Executive Salon 2
7:30 AM–5:00 PM  Raffle & Silent Auction  
Executive Salon 1
7:30 AM–5:00 PM  Registration  
Second Floor Foyer
7:30 AM–10:00 PM  Exhibits – Breaks  
Second & Third Floors
8:00 AM–10:00 AM  Submit for Art & Photo Contest  
Executive Salon 1
8:00 AM–9:00 PM  TCTWS Office Work Space  
Directors Room 2
8:00 AM–5:00 PM  Speaker Prep  
Second Floor Foyer
8:00 AM–10:30 AM  Plenary Session  
Texas Ballroom A, B & C
10:00 AM–12:00 PM  TWA Women of Wildlife Reception  
Executive Salon 2
**10:30 AM–11:00 AM Break  
Third Floor Foyer**
10:30 AM–4:00 PM  Voting for Art & Photo Contest  
Executive Salon 1
11:00 AM–12:30 PM  Cottam Award Papers  
Texas Ballroom A, B & C
12:30 PM–1:30 PM  Past President’s Luncheon  
Executive Salon 3
**12:30 PM–1:30 PM Lunch – On Your Own**
Friday, 17 February (Continued)
1:30 PM–3:00 PM Concurrent Technical Sessions Texas Ballroom A, B, C, San Antonio Ballroom, & Executive Salon 4
3:00 PM–3:30 PM Break Third Floor Foyer
3:00 PM–4:45 PM Wildlife Conservation Camp Meeting Executive Salon 3
3:30 PM–4:45 PM Concurrent Technical Sessions Texas Ballroom A, B, C, San Antonio Ballroom, & Executive Salon 4
5:30 PM–6:30 PM Awards Ceremony Texas Ballroom A, B & C
6:30 PM–10:00 PM Awards Reception Fiesta Pavilion

Saturday, 18 February
7:00 AM–7:45 AM Followship of Christian Conservationists Executive Salon 4
7:30 AM–11:00 AM Registration Second Floor Foyer
8:00 AM–11:30 AM Exhibits – Breaks Second & Third Floors
8:00 AM–10:00 AM Posters Taken Down Fiesta Pavilion
8:00 AM–10:00 AM Art & Photo Contest Pickup Executive Salon 1
8:00 AM–12:00 PM TCTWS Office Work Space Directors Room 2
8:00 AM–9:30 AM Concurrent Technical Sessions Texas Ballroom A, B, C, San Antonio Ballroom, & Executive Salon 4
9:00 AM–11:00 AM TCTWS Executive Meeting Directors Room 1
9:30 AM–10:00 AM Break Third Floor Foyer
10:00 AM–11:30 AM Concurrent Technical Sessions Texas Ballroom A, B, C, & Executive Salon 4
12:00 PM Adjourn 53rd Annual Meeting
WYNDHAM – SAN ANTONIO RIVERWALK
111 EAST PECAN STREET
SAN ANTONIO, TEXAS 78205
SOUTH TEXAS CHAPTER
OF
QUAIL COALITION, INC.

Proud supporter of the Texas Chapter of the Wildlife Society

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Friday, 17 February 2017

PLENARY SESSION
TEXAS BALLROOM A, B & C
MODERATOR: TYLER CAMPBELL

8:00 Presentation of Colors
8:05 Welcome & Introduction – Randy DeYoung, President, Texas Chapter of The Wildlife Society
8:15 Terry Anderson, “It’s Time to Rethink the North American Model for Wildlife Conservation”
8:45 Reed Noss, “Values of Conservation and their Fulfillment on Public and Private Lands”
9:15 James Oliver, “Relevancy”
10:15 Panel Discussion & Questions/Answers – All the Above
10:30 Break – 30 minutes

CLARENCE COTTAM AWARD COMPETITION
TEXAS BALLROOM A, B & C
MODERATOR: ALFONSO ORTEGA-SANCHEZ, JR.

11:00 Impacts of disturbance from Eagle Ford Shale exploration on quail site use and demographics. Kelsey R. Davis, Eric D. Grahmann, Fidel Hernández, Timothy E. Fulbright, Chase R. Currie, David B. Wester, Humberto L. Perotto-Baldivieso, and Fred C. Bryant
11:45 Habitat selection of wintering waterfowl communities on the upper Texas coast. Tiffany C. Lane, Blake A. Grisham, Jena A. Moon, Doug M. Head, David A. Haukos, and Warren C. Conway
12:00 Evaluation of vomit characteristics in microencapsulated sodium nitrite bait formulations on captive feral pigs. Grant S. Lawrence, Justin A. Foster, John C. Kinsey, and Ryan S. Luna
12:30 Lunch Break – 1 hour
SESSION 1A: WHITE-TAILED DEER ECOLOGY AND MANAGEMENT
TEXAS BALLROOM A
MODERATOR: CLAY HILTON

1:30  Effects of thermal environment on the growth and health of white-tailed deer fawns during summer. Nicole A. Alonso, David G. Hewitt, Randy W. DeYoung, and Clayton D. Hilton

1:45  Effects of age, sex, and feeder density on pelleted feed use by white-tailed deer in South Texas. Emily H. Belser, David G. Hewitt, Timothy E. Fulbright, Charles A. DeYoung, Thomas W. Bouton, and Don A. Draeger

2:00  Modeled impacts of chronic wasting disease on white-tailed deer populations in a semi-arid environment. Aaron M. Foley, David G. Hewitt, Charles A. DeYoung, Randy W. DeYoung, and Matthew J. Schnupp

2:15  Evaluation of culling intensity and criteria for antler traits in white-tailed deer. Masahiro Ohnishi, Randy W. DeYoung, Charles A. DeYoung, Bronson Strickland, Steven Lukefahr, Donnie A. Draeger, and David G. Hewitt

2:30  Does white-tailed deer browsing result in browse lines on three preferred South Texas woody plants? Lindsey M. Phillips, Timothy E. Fulbright, David G. Hewitt, Charles A. DeYoung, and Don A. Dreager

2:45  Recruitment patterns of white-tailed deer in a variable environment: waiting for rain. Michaela F. Rice, Kory R. Gann, Randy W. DeYoung, David G. Hewitt, Aaron M. Foley, Alfonso Ortega-S. Jr., and Tyler A. Campbell

3:00  Break – 30 Minutes

SESSION 1B: NORTHERN BOBWHITE ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: JEFF BREEDEN

1:30  Evaluation of land restoration practices on northern bobwhite survival and productivity in north-central Texas. Danielle Belleny, Heather Mathewson, Jeff Breeden, John Tomeček, T. Wayne Schwertner, and Jim Giocomo

1:45  An evaluation of factors influencing detectability of northern bobwhites during distance-sampling based helicopter surveys. Andrea Bruno, John T. Edwards, Fidel Hernández, Leonard A. Brennan, Fred C. Bryant, Tyler A. Campbell, and Michael L. Morrison

2:00  Evaluation of a solar powered micro-GPS transmitter for northern bobwhite. Byron R. Buckley, Rowdy A. White, and Brad Dabbert

2:15  Home range and density of northern bobwhite on irrigated rangeland in South Texas. Ross O. Couvillon, Leonard A. Brennan, Fidel Hernández, Bart M. Ballard, and Thomas V. Dailey

2:30  Density surface modeling as a method to estimate spatial distribution of northern bobwhite. John T. Edwards, Fidel Hernández, David B. Wester, Leonard A. Brennan, Fred C. Bryant, and Chad J. Parent

3:00  Break – 30 Minutes

SESSION 1C: NATURAL RESOURCE EDUCATION, HUMAN DIMENSIONS, AND NEW OPPORTUNITIES  
TEXAS BALLROOM C  
MODERATOR: JUSTIN WEID

1:30  Full STEAM ahead: using art to assess students’ knowledge of trophic levels at the 4th & 5th grade level. April A. Conkey and Marybeth E. Green


2:00  Motivations of professionals and students to pursue a career in natural resources in Texas. Maria F. Mejia, and Kerry Griffis-Kyle

2:15  “This could change everything!” – A new opportunity to obtain alternative funding for wildlife conservation. Mary Pearl Meuth, Christopher Farrell, James Hall, Andy James, and Thomas S. Janke

2:30  “This could change everything!” – A tipping point for the future of wildlife conservation. Mary Pearl Meuth, Christopher Farrell, James Hall, Andy James, and Thomas S. Janke

2:45  Incorporating research into the undergraduate wildlife curriculum. Janel L. Ortiz, April A. Conkey, Leonard A. Brennan, La Vonne Fedynich, and Marybeth Green

3:00  Break – 30 Minutes

SESSION 1D: CANDIDATE SPECIES IN TEXAS: WHAT’S ON THE HORIZON AND THE ROLE OF PRIVATE LANDS  
SAN ANTONIO BALLROOM  
MODERATOR: ROEL LOPEZ

1:25  Candidate species in Texas: what’s on the horizon and the role of private lands. Roel Lopez


1:45  Informing species status assessments when data are limited: a case study with Sprague’s pipits. Ashley M. Long, Brian L. Pierce, Kevin Skow, Amanda Dube, and Addie Engeling

2:00  Assessing viability of the spot-tailed earless lizard in Texas. Wade A. Ryberg, Toby J. Hibbitts, Travis J. LaDuc, Brad D. Wolaver, Jon Paul Pierre, Ben J. Labay, Ian Wright, Michael Duran, and Roel Lopez


2:30  Status of the Louisiana pine snake (Pituophis ruthveni) in Texas. Toby J. Hibbitts, Wade A. Ryberg, Josh Pierce, and Craig Rudolph

2:45  Panel Discussion.

3:00  Break – 30 Minutes
SESSION 1E: AVIAN ECOLOGY AND MANAGEMENT
EXECUTIVE SALON 4
MODERATOR: JEREMY BAUMGARDT

1:30 Are whooping cranes destined for extinction? Climate change imperils their recruitment and population growth. Matthew J. Butler, Kristine L. Metzger, and Grant M. Harris

1:45 Influence of vegetative characteristics on predation and predator assemblage of bird nests. Helen T. Davis, Michael L. Morrison, and Tyler A. Campbell

2:00 Improving avian species distribution models by incorporating biotic interactions. Rachel R. Fern, Michael L. Morrison, Jeremy Baumgardt, and Tyler A. Campbell

2:15 Brood survival of lesser prairie chickens in the Sand Shinnery Oak Ecoregion of Texas and New Mexico. Daniel U. Greene, Blake A. Grisham, Clint W. Boal, David A. Haukos, and Robert D. Cox

2:30 Citizen science data indicates managed housing is a critical component to long-term population persistence of the eastern purple martin (Progne subis subis). Blake A. Grisham, Daniel Raleigh, James D. Ray, Joe Siegrist, and Daniel U. Greene

2:45 Three decades of golden-cheeked warbler habitat change: effects of development, drought, and conservation. Nancy A. Heger and Tom Hayes

3:00 Break – 30 Minutes

SESSION 2A: DEER ECOLOGY AND MANAGEMENT
TEXAS BALLROOM A
MODERATOR: TIM FULBRIGHT

3:30 Site fidelity and survival of captive-reared white-tailed deer following liberation. Daniel J. Tidwell, Louis A. Harveson, Ryan S. Luna, and Ryan O'Shaughnessy

3:45 Autumn and winter body mass dynamics of female white-tailed deer and reproduction at Kerr WMA. William T. Wunderlich, Floyd W. Weckerly, and Ryan L. Reitz


4:15 Antler characteristics and age structure of mule deer in Texas. Carolina Medina-Nava, Thomas S. Janke, and Shawn S. Gray


4:45 Break – 45 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30

SESSION 2B: NORTHERN BOBWHITE ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: ANDREA BRUNO

3:30 Acute toxicity of gossypol on northern bobwhites. Amy L. Okichich, T. Wayne Schwertner, Kimberly Guay, and Heather A. Mathewson

4:00  **Brood range variation of northern bobwhite females in the Gulf Prairies and Marshes of Texas.** William M. Keenan, Nova J. Silvy, Roel R. Lopez, and James R. Connor

4:15  **Woody cover metrics associated with northern bobwhite abundance and productivity in the Rolling Plains.** Bradley W. Kubečka, Dale Rollins, Fidel Hernández, Humberto Perotto-Baldivieso, David B. Wester, and Lloyd M. LaCoste

4:30  **Habitat factors influencing northern bobwhite abundance in Texas.** Brian L. Pierce, Israel D. Parker, Kevin Skow, Addie Smith, Amanda Anderson, Ross Anderson, Roel R. Lopez, and Nova J. Silvy

4:45  **Break – 45 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

**SESSION 2C: FELID ECOLOGY AND MANAGEMENT**

**TEXAS BALLROOM C**

**MODERATOR: DANIEL TAYLOR**

3:30  **Abundance, activity patterns, and interactions among ocelots, cattle, nilgai, feral hogs, and javelinas.** Shelby B. Carter, Michael E. Tewes, Jason V. Lombardi, Justin P. Wied, John P. Leonard, Alfonso Ortega-Sanchez, Jr., and Tyler A. Campbell

3:45  **Macro- and micro-habitat effects on occupancy of ocelots.** Jason V. Lombardi, Michael E. Tewes, Humberto L. Perotto, Justin P. Wied, John P. Leonard, Daniel Kunz, Jose Mata, and Tyler A. Campbell

4:00  **Microhabitat analysis of sympatric ocelot and bobcat in South Texas using cameras.** Justin P. Wied, Michael E. Tewes, Jason V. Lombardi, John P. Leonard, Arturo Caso, Alfonso Ortega-Sanchez, Jr., and Tyler A. Campbell

4:15  **Evaluation of non-invasive fecal sampling for monitoring bobcats and ocelots in South Texas.** Daniel R. Taylor, Randy W. DeYoung, Michael E. Tewes, Terry L. Blankenship, Alfonso Ortega-Sanchez, Jr., and Tyler A. Campbell

4:30  **Open**

4:45  **Break – 45 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

**SESSION 2D: HABITAT AND VEGETATION MANAGEMENT**

**SAN ANTONIO BALLROOM**

**MODERATOR: RACHEL FERN**

3:30  **Invasive grass species distributions at well pad sites in South Texas.** Forrest H. Cobb, Forrest S. Smith, Brian L. Pierce, and Susan Stuver

3:45  **Using LANSAT to assess vegetation response to grazing.** Elliott A. Foxley, Rachel R. Fern, Carl Green, Andrea Bruno, and Michael L. Morrison

4:00  **Overcoming herbivory pressure: two year results of oak and hickory seedling establishment in the Western Gulf Coastal Plain.** Ryan J. Jacques, Christopher E. Comer, Jeremy P. Stovall, Hans M. Williams, and Matthew E. Symmank

4:15  **Factors influencing the spatial and temporal distribution of tanglehead on South Texas rangelands.** Jose M. Mata, Humberto Perotto, Fidel Hernández, Eric D.
SESSION 2E: AVIAN ECOLOGY AND MANAGEMENT
EXECUTIVE SALON 4
MODERATOR: APRIL CONKEY

3:30 Avian community response to prairie restoration efforts on the Welder Wildlife Foundation. Olivia A. Kost, Clint W. Boal, Terry L. Blankenship, and Robert D. Cox

3:45 Winter ecology of a declining grassland bird, the Sprague’s pipit (Anthus spragueii). Richard Kostecke, Joseph Veech, Jacqueline Ferrato, John Muller, and Charlotte Reemts

4:00 Response of grassland birds to varying agricultural types at different spatial scales in 20 Texas counties from 2013 to 2016. Anna Matthews, M. Clay Green, and James J. Giocomo

4:15 Dispersal patterns of juvenile golden eagles during their first two years. Natasia R. Mitchell, Ben Skipper, and Clint W. Boal

4:30 Breeding bird abundance and landscape productivity on South Texas rangelands. Janel L. Ortiz, April A. Conkey, Leonard A. Brennan, Humberto L. Perotto-Baldivieso, David B. Wester, and Tyler A. Campbell

Saturday, 18 February 2017

SESSION 3A: ECOLOGY OF MAMMALS
TEXAS BALLROOM A
MODERATOR: RAMON SAENZ

8:00 Optimization of sodium nitrite as an oral toxicant for feral swine. John C. Kinsey, Nathan P. Snow, Kurt C. VerCauteren, Justin A. Foster, Linton Staples, and Simon Humphrys


8:30 A dietary preference study for the Texas state bison herd in Caprock Canyon State Park. a'Lisa M. McAnally, Heather A. Mathewson, Thomas W. Schwertner, Jeff B. Breeden, and Donald Beard

8:45 Roosevelt elk use of a new forage patch in Redwoods National and State Parks. Aaron S. McGuire and Floyd W. Weckerly

9:00 Identification of corridors for the natural recolonization of black bears to east Texas using spatially explicit models. Caitlin M. Glymph, Christopher E. Comer, Daniel G. Scognamillo, Tanh Nguyen, and Dave Holdermann
9:15  Depredation of simulated wild turkey nests by feral swine. Heather N. Sanders, Nathan P. Snow, David G. Hewitt, Kurt C. VerCauteren, and Humberto L. Perotto-Baldivieso

9:30  Break – 30 Minutes

SESSION 3B: QUAIL ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: MARIA MEJIA

8:00  Artificial nest accuracy and factors influencing nest success for northern bobwhite. Christine L. Palmer, Bradley W. Kubecka, Dale Rollins, and Becky Ruzicka

8:15  Evaluating maximum home range of Montezuma quail. Karlee D. Cork, Elizabeth Oaster, and Ryan Luna

8:30  Results of Sendero® treatment on western honey mesquite for scaled quail habitat restoration. James D. Eddy, Ryan S. Luna, Bonnie J. Warnock, and Charles R. Hart

8:45  Influence of artificial resources on scaled quail survival and nest success. Ernesto García-Ortega, Ryan S. Luna, Louis A. Harveson, and Fidel Hernández


9:15  Summer loafing habitat selection of Montezuma quail in the Capitan Mountains, New Mexico. Kaitlyn M. Williams, Elizabeth A. Oaster, and Ryan S. Luna

9:30  Break – 30 Minutes

SESSION 3C: REPTILE AND AMPHIBIAN ECOLOGY
TEXAS BALLROOM C
MODERATOR: CONNOR ADAMS

8:00  Assessing habitat preferences and population trends of herpetofaunal communities in the Rolling Plains of Texas. James S. Cash, Matthew Poole, Donald C. Ruthven, and Lee A. Fitzgerald

8:15  Microhabitat characteristics and thermal biology of Texas tortoises from an inland population. Ross O. Couvillon, Leonard A. Brennan, Bart M. Ballard, Fidel Hernández, and Thomas V. Dailey

8:30  Analysis of dispersal, survival, and fine-scale habitat selection of reintroduced Texas horned lizards. Alyssa A. Fink and Joseph A. Veech

8:45  The effects of moon phase on diurnal activity of snakes. Timothy E. Johnson, Connor S. Adams, Dalton B. Neuharth, Shelby L. Frizzell, Wade A. Ryberg, Toby J. Hibbitts, Josh B. Pierce, and D.C. Rudolph

9:00  Exploring variation in survival of yellow mud turtles in Texas. Trevor J. McVay, Richard T. Kazmaier, and Donald C. Ruthven, III

9:15  Evaluation of the feasibility of translocating wild Texas horned lizards to formerly occupied habitat in the Texas Cross Timbers. Kelly J. Mitchell, Devin Erxleben, Nathan Rains, and Jesse M. Meik

9:30  Break – 30 Minutes
SESSION 3D: DOVE ECOLOGY AND MANAGEMENT
SAN ANTONIO BALLROOM
MODERATOR: JANEL ORTIZ

8:00 Factors influencing survival of white-winged doves in Texas. Jared D. Hall, Heather A. Mathewson, Thomas W. Schwertner, Shaun L. Oldenburger, and Mike Frisbie
8:30 Factors influencing nest survival of mourning doves in the Lower Rio Grande Valley, Texas. Kelton W. Mote, Jordan C. Giese, Heather A. Mathewson, Thomas W. Schwertner, and Jeff B. Breeden
8:45 Abundance of mourning doves in the United States using distance sampling. Shaun L. Oldenburger, Mike Frisbie, John Brunjes, Bill Harvey, Johnathan O'Dell, Richard Schultheis, Michael Small, Nathan Stricker, John Schulz, and Russell Woolstenhulme
9:00 A comparison of lead and steel shot loads for harvesting mourning doves. Brian L. Pierce, Thomas A. Roster, Michael C. Frisbie, Corey D. Mason, and Jay A. Roberson
9:15 Annual survival of mourning doves from banding data. Joseph M. Wilson, Heather A. Mathewson, Shaun L. Oldenburger, Thomas W. Schwertner, and Mike Frisbie
9:30 Break – 30 Minutes

SESSION 3E: AVIAN ECOLOGY
EXECUTIVE SALON 4
MODERATOR: HELEN DAVIS

8:00 Spatial relationships between fledge success and habitat of American oystercatchers on Fisherman Island National Wildlife Refuge, Virginia, USA. Amanda D. Hackney and Pamela Denmon
8:15 Breeding bird response to post oak savanna restoration in eastern Texas. Courtney K. Williams, Roger J. Masse, Christopher E. Comer, and Jeff Gunnels
8:45 Habitat characteristics of areas used by brooding eastern wild turkey hens in eastern Texas. Bryce J. Gerlach, Christopher E. Comer, Kyle T. Hand, and Jason B. Hardin
9:00 Rio Grande wild turkey movements relative to riparian corridors. Jacob White, Doug Jobes, and Bret Collier
9:30 Break – 30 Minutes
SESSION 4A: ECOLOGY OF MAMMALS  
TEXAS BALLROOM A  
MODERATOR: VICTORIA HAYNES

10:00  Soil and vegetative association of heteromyid rodents in central and South Texas. 
       Michelle E. Adcock, Thomas R. Simpson, Joseph A. Veech, M. Clay Green, and Richard 
       W. Manning

10:15  Development of a long-term monitoring program for small mammals on the East 
       Foundation. Jeremy A. Baumgardt, Michael L. Morrison, Leonard A. Brennan, and 
       Tyler A. Campbell

10:30  Comparison of fine scale vegetative parameters at active and inactive Gulf Coast 
       kangaroo rat burrow sites. Meagan M. Bell, Thomas R. Simpson, Joseph Veech, and 
       Todd Swannack

10:45  Meso-mammal cave use in the central Texas. Andrea E. Montalvo and Roel R. Lopez

11:00  Using soil associations to model potential habitat of the Texas kangaroo rat. Silas L. 
       Ott, Ivan Castro-Arellano, M. Clay Green, Thomas R. Simpson, and Joseph A. Veech

11:15  Grassland conservation through plague management for prairie dogs. David R. 
       Pipkin, Michael J. Bodenchuk, Terry B. Johnson, William E. Van Pelt, and David L. 
       Bergman

SESSION 4B: GENERAL SESSION  
TEXAS BALLROOM B  
MODERATOR: ASHLEY LONG

10:00  Molecular analysis of the diet of the American parastrelle. Krysta D. Demere and 
       Loren K. Ammerman

10:15  Changes in rural private land ownership in the southeastern United States. Lauren 
       A. Engeling, Roel R. Lopez, James C. Cathey, Charles E. Gilliland, and Ashley M. Long

10:30  Baseline data on wintering bats and roosts in Texas. Melissa B. Meierhofer, Michael 
       L. Morrison, Brian L. Pierce, Joe M. Szewczak, and Jonah Evans

10:45  Track display and cluster analysis using MATLAB for dama gazelle GPS collar 
       data. Christian Mungall, Elizabeth Cary Mungall, and Susan M. Cooper

11:00  Modeling wildlife data – what you’re missing. Donnie Draeger and Shawn Vickers

11:15  Open

SESSION 4C: REPTILE AND AMPHIBIAN ECOLOGY  
TEXAS BALLROOM C  
MODERATOR: CONNOR ADAMS

10:00  A novel method of snake detection using time-lapse triggered camera traps. Dalton 
       B. Neuharth, Connor S. Adams, Wade A. Ryberg, Toby J. Hibbitts, Josh B. Pierce, and 
       Craig Rudolph

10:15  Returning the Louisiana pine snake to restored habitat. Josh B. Pierce, Craig 
       Rudolph, Steve Reichling, and Emlyn Smith

10:30  A herpetofaunal survey of two sites in the Texas Cross Timbers Ecoregion with an 
       evaluation of survey method effectiveness. Thomas E. Barnes
SESSION 4D: AVIAN ECOLOGY
EXECUTIVE SALON 4
MODERATOR: BLAKE GRISHAM

10:00 Using home ranges and site fidelity to identify areas of importance for overwintering sandhill crane on the Southern High Plains. Kathryn J. Brautigam, Blake A. Grisham, William Johnson, Nicole Athearn, Daniel P. Collins, Shaun Oldenburger, Jude Smith, and Warren Conway


10:30 Determining precise migratory stopover and overwintering sites for a Texas population of purple martin by using new G.P.S. dataloggers. James D. Ray, Amanda Shave, and Kevin C. Fraser

10:45 Waterfowl use and comparison of unmanned aerial vehicle surveys and visual ground surveys of waterfowl on stock ponds in the Oaks and Prairies Region of Texas. James R. Morel, Samantha S. Kahl, Blake A. Grisham, Kevin J. Kraai, Daniel P. Collins, and Warren C. Conway

11:00 Habitat associations of black rails with occupancy. James D. M. Tolliver, Floyd W. Weckerly, M. Clay Green, and Amanda A. Moore

11:15 Open

POSTER SESSION
THURSDAY, 16 FEBRUARY 2017: 4:00–6:00 PM
FIESTA PAVILION
CONTACT: HEATHER MATHEWSON


2. *Conservation of Mexican longnosed bats along the migration route and surrounding maternity caves. Brittany F. Stamps


5. *Changes in species biodiversity due to Open House Events at Robber Baron Cave. Genne Liu and Evelynn Mitchell

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<th>Title</th>
<th>Authors</th>
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<td>7</td>
<td>Long-term vegetation monitoring of mixed-grass rangelands in South Texas</td>
<td>Luis R. Bartolo, Joshua L. Grace, J. Alfonso Ortega-S., David B. Wester, and Aaron Tjelmeland</td>
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<td>8</td>
<td>Evaluating the effect of pharmaceuticals and polychlorinated biphenyl</td>
<td>Andrew W. Richardson, Hsiao-Hsuan Wang, and William Grant</td>
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<td>wild turkeys located in southern Texas</td>
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<td>10</td>
<td>GPS collar performance on ocelot and bobcat in South Texas</td>
<td>Taylor R. Shirley, Michael E. Tewes, Jason V. Lombardi, John P. Leonard, Alfonso Ortega-Sanchez, Jr., Justin P. Wied, and Tyler A. Campbell</td>
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<td>11</td>
<td>The isolation and propagation of reticuloendotheliosis virus from</td>
<td>Brittany Stewart and Dustin Edwards</td>
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<td>Attwater's prairie chickens</td>
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<td>12</td>
<td>Serological survey of reticuloendotheliosis virus from wild turkeys</td>
<td>Heidi Spann, Brittany Stewart, Camille Trautman, Jason Hardin, Thomas Schwertner, and Dustin Edwards</td>
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<td>13</td>
<td>Sites of integration of reticuloendotheliosis virus</td>
<td>Camille Trautman, Brittany Stewart, Heidi Spann, and Dustin Edwards</td>
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