

52nd Annual Meeting

of the

Texas Chapter

of

The Wildlife Society



A Texas Parks & Wildlife biologist demonstrates to students how to sample deer for CWD on East Foundation land. Photo by Randy DeYoung.

Chronic Wasting Disease in Texas Whitetails...Now What?

18–20 February 2016

San Antonio, Texas

2015–2016 EXECUTIVE BOARD

EXECUTIVE DIRECTOR	DON STEINBACH
PRESIDENT	ROEL LOPEZ
PRESIDENT ELECT	RANDY DEYOUNG
VICE PRESIDENT	COREY MASON
SECRETARY	MANDY KRAUSE
TREASURER	TERRY BLANKENSHIP
BOARD MEMBER	RACHEL LANGE
ARCHIVIST	ALAN FEDYNICH
PAST PRESIDENT	DAVE HEWITT

PROGRAM

TYLER CAMPBELL & DEAN RANSOM

LOCAL ARRANGEMENTS

CHAD GRANTHAM, LUCAS COOKSEY, & AMY TRUONG

POSTERS

KORY GANN

MEETING SCHEDULE

Wednesday, 17 February

9:00 AM–4:00 PM	Wildlife Tracking Training Workshop	Executive Salon 5 Afternoon in-the-field
10:00 AM–4:00 PM	Conservation Easement Workshop	Executive Salon 3
5:00 PM–9:00 PM	Plant ID Set-up	Executive Salon 4

Thursday, 18 February

8:00 AM–8:00 PM	Registration	Fiesta Pavilion Foyer
8:00 AM–12:00 PM	Exhibitor Set-up	Fiesta Pavilion
8:00 AM–12:00 PM	Media Training Workshop	Texas Ballroom C
8:00 AM–12:00 PM	San Antonio River Field Trip	Front of Hotel Lobby
8:00 AM–12:00 PM	AgriLife Extension Unit Meeting	Directors Room 1
8:00 AM–3:00 PM	Poster Session Set-up Period	Fiesta Pavilion
8:00 AM–4:00 PM	TWA Directors Meeting	Texas Ballroom B
8:00 AM–9:00 PM	James G. Teer Leadership Institute	Boardroom
10:00 AM–12:00 PM	TCTWS Executive Meeting	Texas Ballroom A
12:00 PM–9:00 PM	TCTWS Office Work Space	Directors Room 1
1:00 PM–3:00 PM	Plant ID Competition	Executive Salon 4
1:00 PM–6:00 PM	Presentation Submissions	Fiesta Pavilion Foyer
1:00 PM–6:00 PM	Submit for Art & Photo Contest	Executive Salon 1
1:00 PM–7:00 PM	Raffle & Silent Auction	Fiesta Pavilion
2:00 PM–4:00 PM	TCTWS Business Meeting	Texas Ballroom A
3:00 PM–4:00 PM	Conservation Affairs Committee	Directors Room 1
3:15 PM–5:00 PM	Texas Quiz Bowl Competition	San Antonio Ballroom
4:00 PM–5:00 PM	Southwest Section of TWS meeting	Texas Ballroom A
4:00 PM–6:00 PM	Texas WL & Fisheries Mgt. Council	Directors Room 2
4:00 PM–6:00 PM	Poster Session Judging	Fiesta Pavilion
5:00 PM–6:00 PM	Women of the Land/WOW Reception	Texas Ballroom C
5:30 PM–6:30 PM	Student Mentor Mixer	Fiesta Pavilion
6:30 PM–10:00 PM	President's Reception	Fiesta Pavilion

Friday, 19 February

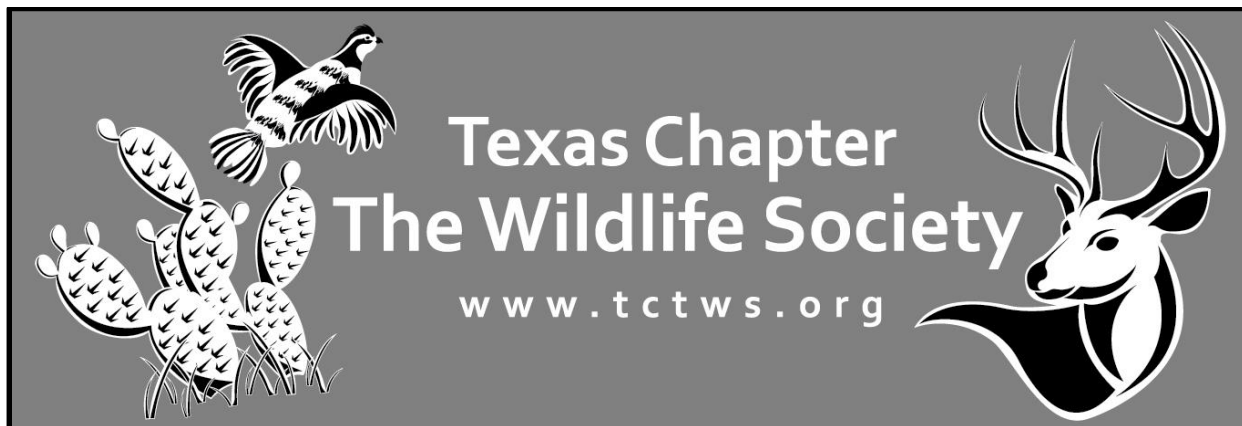
7:00 AM–8:00 AM	Student Breakfast	Fiesta Pavilion
7:30 AM–5:00 PM	Raffle & Silent Auction	Fiesta Pavilion
7:30 AM–5:00 PM	Registration	Fiesta Pavilion Foyer
7:30 AM–10:00 PM	Exhibits – Breaks	Fiesta Pavilion
8:00 AM–10:00 AM	Submit for Art & Photo Contest	Executive Salon 1
8:00 AM–9:00 PM	TCTWS Office Work Space	Directors Room 1
8:00 AM–6:00 PM	Presentation Submissions	Fiesta Pavilion Foyer
8:00 AM–10:00 AM	Plenary Session	Texas Ballroom A, B & C
8:00 AM–9:00 PM	James G. Teer Leadership Institute	Boardroom
10:00 AM–10:30 AM	Break	Preconvene
10:30 AM–4:00 PM	Voting for Art & Photo Contest	Executive Salon 1
10:30 AM–12:30 PM	Cottam Award Papers	Texas Ballroom A, B & C

Friday, 19 February (Continued)

12:30 PM–1:45 PM	Past President’s Luncheon	Executive Salon 3
12:30 PM–1:45 PM	Lunch – On Your Own	
1:45 PM–3:15 PM	Concurrent Technical Sessions	Texas Ballroom A, B, C, Executive Salon 4, 5, and San Antonio Ballroom
3:15 PM–3:45 PM	Break	Fiesta Pavilion
3:45 PM–5:00 PM	Concurrent Technical Sessions	Texas Ballroom A, B, C, Executive Salon 4, and San Antonio Ballroom
5:30 PM–6:30 PM	Awards Ceremony	Texas Ballroom A, B & C
6:30 PM–10:00 PM	Awards Reception	Fiesta Pavilion

Saturday, 20 February

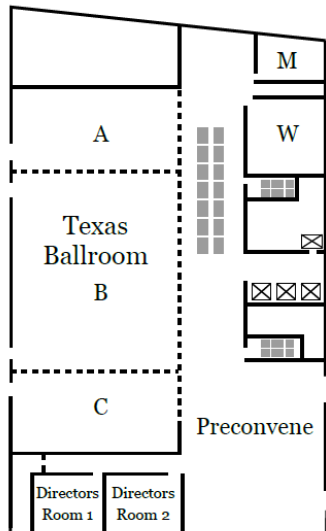
7:00 AM–7:30 AM	Fellowship of Christian Conservationists	Executive Salon 4
7:30 AM–11:00 AM	Registration	Fiesta Pavilion Foyer
8:00 AM–11:30 AM	Exhibits – Breaks	Fiesta Pavilion
8:00 AM–10:00 AM	Posters Taken Down	Fiesta Pavilion
8:00 AM–10:00 AM	Art & Photo Contest Pickup	Executive Salon 1
8:00 AM–6:00 PM	James G. Teer Leadership Institute	Boardroom
8:00 AM–12:00 PM	TCTWS Office Work Space	Directors Room 1
8:00 AM–9:30 AM	Concurrent Technical Sessions	Texas Ballroom A, B, C, Executive Salon 4, and San Antonio Ballroom
9:00 AM–11:00 AM	TCTWS Executive Meeting	Directors Room 2
9:30 AM–10:00 AM	Break	Fiesta Pavilion
10:00 AM–11:30 AM	Concurrent Technical Sessions	Texas Ballroom A, B, and San Antonio Ballroom
12:00 PM	Adjourn 52 nd Annual Meeting	



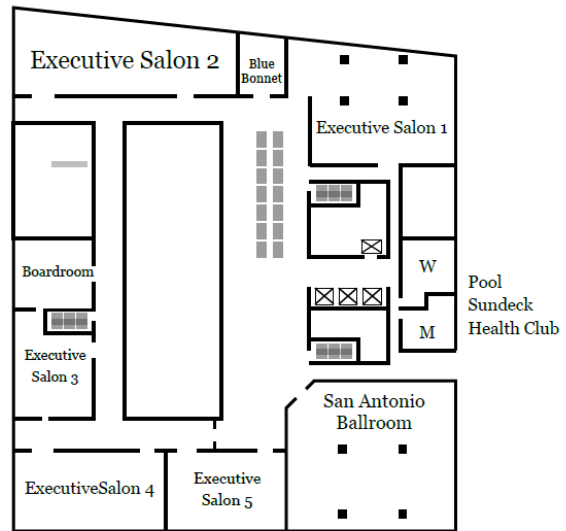
WYNDHAM – SAN ANTONIO RIVERWALK

111 EAST PECAN STREET
SAN ANTONIO, TEXAS 78205

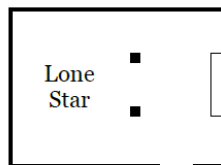
Second Floor



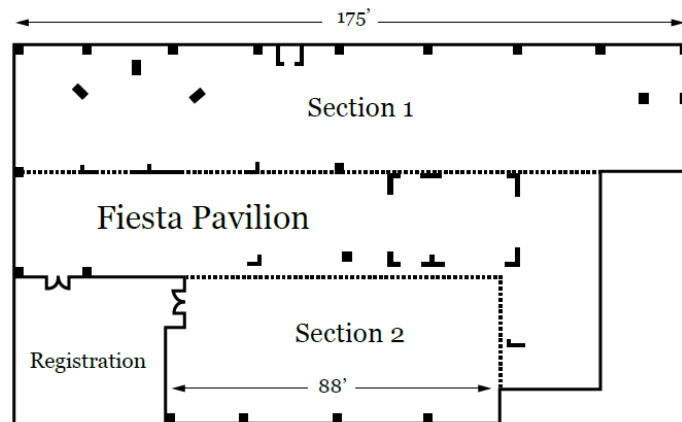
Third Floor



Lobby Level



Lower Level



Friday, 19 February 2016

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

- 8:00 Presentation of Colors**
- 8:05 Welcome & Introduction** – Roel Lopez, President, Texas Chapter of The Wildlife Society
- 8:20 Chronic Wasting Disease 101** – Walt Cook, Clinical Associate Professor, Veterinary Medicine and Biomedical Sciences, Texas A&M University
- 8:40 Status Report from the Texas Parks & Wildlife Department** – Clayton Wolf, Wildlife Division Director, Texas Parks and Wildlife Department
- 8:50 Status Report from the Texas Animal Health Commission** – Andy Schwartz, Interim Executive Director, Texas Animal Health Commission
- 9:00 Lessons Learned from Outside the Lone Star State** – Michael Miller, Wildlife Veterinarian, Colorado Division of Wildlife
- 9:20 Panel Discussion & Questions/Answers** – All the Above, plus Dan McBride (Burnet Veterinary Clinic, Inc.), Tom Vandivier (Conservationist and Private Landowner) & Don Davis (Associate Professor, Veterinary Medicine and Biomedical Sciences, Texas A&M University – Moderator for Discussion)
- 10:00 Break – 30 minutes**

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

- 10:30 Waste rice and natural seed densities in rice fields in the Gulf Coast Prairies of Louisiana and Texas**, Joseph R. Marty
- 10:45 The influence of weather parameters on Lesser Prairie-Chicken range wide nest survival**, Alixandra J. Godar
- 11:00 Scale-dependent landscape genetics of bobcats across western Texas**, Imogene Davis
- 11:15 Factors influencing listing decisions under the Endangered Species Act**, Kathryn N. Smith-Hicks
- 11:30 Spatial ecology of the Lower Colorado River Valley population of Greater Sandhill Cranes**, Courtenay M. Conring
- 11:45 Next generation sequencing used to assess diversity within major histocompatibility complex of ocelots**, John P. Leonard
- 12:00 Dietary niche partitioning among cattle, deer, and nilgai using stable isotopes**, Stacy L. Hines
- 12:15 Duck and stock pond forage resource relationships in the Rolling Plains of Texas**, Lisa A. Clark

SESSION 1A: BIG GAME ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: STACY HINES

- 1:45** Browse species responses to white-tailed deer densities in South Texas, Justin P. Young
- 2:00** Does supplemental feeding mitigate the impacts of high deer densities on plant communities and available forage?, Lindsay D. Roberts
- 2:15** Effects of differing white-tailed deer and supplemental feeder densities on woody plant canopy volume and mast production, Lindsey M. Phillips
- 2:30** Drought and density effects on palatable forb species for white-tailed deer, Ashley A. Wilson
- 2:45** Translocated pronghorn adult and fawn survival in New Mexico, Emily R. Conant
- 3:00** Mortality Factors and the importance of age in translocated pronghorn, Taylor O. Garrison
- 3:15** Break – 30 Minutes

SESSION 1B: ECOLOGY OF MAMMALIAN CARNIVORES
EXECUTIVE SALON 4
MODERATOR: JOHN LEONARD

- 1:45** Distribution and habitat selection by large carnivores in Big Bend National Park, Texas, Skyler Stevens
- 2:00** Home range size, movements and survival of mountain lions on private lands in West Texas, Catherine C. Dennison
- 2:15** Food habits of mountain lions in the Davis Mountains, Texas, Catherine C. Dennison
- 2:30** Spatial and temporal use of Big Bend National Park by humans and puma, David P. Rumbelow
- 2:45** Determining impacts of diel cycle and lunar illumination on mountain lion hunting behaviors using kill site data, Kendall J. AuBuchon
- 3:00** Effects of genetic depletion on estimating risk of extinction of the endangered Florida panther, Anna Cole
- 3:15** Break – 30 Minutes

SESSION 1C: ECOLOGY OF UPLAND GAME BIRDS
SAN ANTONIO BALLROOM
MODERATOR: ANDREA BRUNO

- 1:45** Northern bobwhite resource selection in South Texas, Benjamin R. Olsen
- 2:00** Selection and avoidance of habitat and artificial resources of desert scaled quail during the nesting season in the Trans-Pecos, Texas, Ernesto Garcia-Ortega
- 2:15** Influence of initial nest fate on nest concealment and fate of subsequent nesting attempts of bobwhites, William L. Lutz
- 2:30** Northern bobwhite proximity to woody cover in southern Texas, Josh D. Pearson
- 2:45** Habitat-suitability bounds of woody cover for northern bobwhites, James P. Clark

- 3:00 Impacts of habitat fragmentation on northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative, Katherine S. Miller**
- 3:15 Break – 30 Minutes**

SESSION 1D: ECOLOGY OF NON-GAME AND WETLAND BIRDS

TEXAS BALLROOM C

MODERATOR: JANEL ORTIZ

- 1:45 Wintering ecology of American kestrels in southern Texas, Carter G. Crouch**
- 2:00 Wintering-season ecology of reddish egrets, Lianne M. Koczur**
- 2:15 Breeding season avian diversity and community composition in first- and second-year eucalyptus plantations in southwest Louisiana, Elizabeth J. Messick**
- 2:30 Migration rates of Swainson's hawks through regions of different wind energy potentials between Texas and Argentina, Clint W. Boal**
- 2:45 Influence of vegetative characteristics on predation and predator assemblage of bird nests, Helen T. Davis**
- 3:00 The social black-crested titmouse: kin-structured neighborhoods through familial flock formation, Rebekah J. Rylander**
- 3:15 Break – 30 Minutes**

SESSION 1E: ECOLOGY OF REPTILES AND AMPHIBIANS

TEXAS BALLROOM A

MODERATOR: JEREMY BAUMGARDT

- 1:45 Conservation of the Louisiana Pine Snake in Texas, Josh B. Pierce**
- 2:00 Use of PVC pipes of different diameters as artificial refuges by Green Tree Frogs in Texas, Kaitlyn N. Forks**
- 2:15 Distribution and population status of the Western Chicken Turtle (*Deirochelys reticularia miaria*) in Texas, Connor S. Adams**
- 2:30 Demography of an Ornate Box Turtle population in a Rolling Plains ecosystem, Trevor J. McVay**
- 2:45 Effect of exotic grass cover on Texas Tortoise (*Gopherus berlandieri*) home range size and microhabitat use in thornscrub habitat, Kiley V. Briggs**
- 3:00 Patch occupancy and abundance of the Crevice Spiny Lizard in the central mineral region of Texas, Jeffrey T. Jenkerson**
- 3:15 Break – 30 Minutes**

SESSION 1F: GENERAL MAMMALIAN ECOLOGY

EXECUTIVE SALON 5

MODERATOR: ALEYDA GALÁN

- 1:45 Habitat-specific variation in mammal communities using camera traps in western Texas, Mark J. Cancellare**
- 2:00 Influence of wildlife on bottomland hardwood forest restoration in degraded river basins in East Texas, USA, Ryan J. Jacques**

- 2:15 Population change of small mammals during large-scale, on-going grassland restoration, Anthony K. Henchan**
- 2:30 Assessing predator-prey use and interactions at man-made water sources on the Southern High Plains of Texas, Trevor S. Gicklhorn**
- 2:45 Development and evaluation of prototype feral pig toxicants, Grant S. Lawrence**
- 3:00 Open**
- 3:15 Break – 30 Minutes**

SESSION 2A: BIG GAME ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: MICHAELA RICE

- 3:45 Pronghorn diet, nutrition, and carrying capacity in Trans-Pecos, Texas, Justin T. French**
- 4:00 Does birth synchrony influence fawn survival of pronghorn in the Trans-Pecos region of Texas?, Ryan O'Shaughnessy**
- 4:15 Habitat partitioning by sympatric deer species in Big Bend National Park, Texas, Skyler Stevens**
- 4:30 Evaluation of selective harvest on the distribution male mating success in white-tailed deer, Masahiro Ohnishi**
- 4:45 Reliability of N-mixture models to estimate abundance of white-tailed deer, John C. Kinsey**
- 5:00 Break – 30 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

SESSION 2B: ECOLOGY OF MAMMALIAN CARNIVORES
EXECUTIVE SALON 4
MODERATOR: JOHN LEONARD

- 3:45 Chronobiology of sympatric ocelot and bobcat in South Texas, Justin P. Wied**
- 4:00 Mesomammal predator abundance to determine primary northern bobwhite nest predators, Kristyn G. Stewart**
- 4:15 Open**
- 4:30 Open**
- 4:45 Open**
- 5:00 Break – 30 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

SESSION 2C: ECOLOGY OF UPLAND GAME BIRDS
SAN ANTONIO BALLROOM
MODERATOR: JOHN PISTONE

- 3:45 Evaluation of a multi-temporal approach for modeling northern bobwhite habitat, Jeffrey G. Whitt**
- 4:00 An evaluation of pretreatment estimates of northern bobwhite density for a long-term manipulative grazing study, Andrea N. Bruno**
- 4:15 Home range and habitat selection of brooding eastern wild turkeys in East Texas, Kyle T. Hand**

- 4:30 **Factors influencing nest-site selection by eastern wild turkeys in Texas**, Bryce J. Gerlach
- 4:45 **Movements and habitat selection of lesser prairie-chickens in Conservation Reserve Program-dominated landscapes in the Southern High Plains of Texas**, Samuel W. Harryman
- 5:00 **Break – 30 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

SESSION 2D: ECOLOGY OF NON-GAME AND WETLAND BIRDS
TEXAS BALLROOM C
MODERATOR: HELEN DAVIS

- 3:45 **Impacts of severe drought of black-capped vireo reproduction**, Melanie R. Colon
- 4:00 **Effects of grazing on the avian community at a Texas hill country ranch**, Joseph A. Jandle
- 4:15 **A stochastic model to simulate mottled duck population dynamics**, Jena A. Moon
- 4:30 **Seed-bank potential of moist-soil wetlands in the Southwest**, Ryan S. Anthony
- 4:45 **Dynamics of nutrient reserves and digestive tract of female northern pintails wintering along the Texas Coast**, Matthew J. Garrick
- 5:00 **Break – 30 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

SESSION 2E: ECOLOGY OF REPTILES AND AMPHIBIANS
TEXAS BALLROOM A
MODERATOR: CONNOR ADAMS

- 3:45 **Genetic variation within 3 species of River Cooters**, Kimberly M. Cory
- 4:00 **Genetic structure is inconsistent with subspecies designations in the Western Massasauga (*Sistrurus tergeminus*)**, Wade A. Ryberg
- 4:15 **Current distribution and phylogenetic relationships of *Holbrookia lacerata* in Texas**, Toby J. Hibbitts
- 4:30 **Home range size, habitat use, and movement of the Reticulate Collared Lizard, *Crotaphytus reticulatus* in southern Texas**, Timothy Garrett
- 4:45 **Population study of the Dunes Sagebrush Lizard (*Sceloporus arenicolus*) in West Texas**, Danielle K. Walkup
- 5:00 **Break – 30 Minutes, Just Prior to Awards Ceremony in Texas Ballroom at 5:30**

Saturday, 20 February 2016

SESSION 3A: BIG GAME ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: RAMON SAENZ

- 8:00 **Evaluation of aerial survey-related population estimation techniques for pronghorn antelope in Texas**, Caroline L. Ward
- 8:15 **Using tooth cementum aging to estimate pronghorn survival in the Texas Panhandle**, Caroline N. Ellison

- 8:30 Using microsatellite composite genotypes to identify hybridization in deer (genus *Odocoileus*) in the Texas High Plains, Rocky Ward**
- 8:45 Sable antelope dietary analysis: a comparison of microhistology and TRNL sequence analysis, Amanda Hargrave**
- 9:00 Effects of density independent and dependent factors on Roosevelt elk juvenile recruitment in Redwood National Park, California, Nicholas R. Kolbe**
- 9:15 Special considerations for handraising a dama gazelle, Elizabeth Cary Mungall**
- 9:30 Break – 30 Minutes**

SESSION 3B: ECOLOGY OF UPLAND GAME BIRDS

SAN ANTONIO BALLROOM

MODERATOR: JUSTIN WIED

- 8:00 Rio Grande wild turkey brood habitat use in the Cross Timbers region of Texas, Luke Scroggs**
- 8:15 An ecological comparison of two sympatric desert quail species during the reproductive season in the Trans-Pecos, Ronald P. Jankowiak**
- 8:30 New capture technique for northern bobwhite and scaled quail, Byron R. Buckley**
- 8:45 Evaluating novel capture methods of Montezuma quail in central New Mexico, Karlee D. Cork**
- 9:00 A comparison of three quail survey methods and harvest data from a South Texas Wildlife Management Area, Sarah F. Resendez**
- 9:15 Northern bobwhite use of coastal bermudagrass restored to native vegetation, Carter G. Crouch**
- 9:30 Break – 30 Minutes**

SESSION 3C: GENERAL AVIAN ECOLOGY

TEXAS BALLROOM A

MODERATOR: RACHEL FERN

- 8:00 Factors influencing nest survival of white-tipped doves in south Texas, Jordan C. Giese**
- 8:15 An examination of gene flow among distinct management units of the reddish egret (*Egretta rufescens*), Golya Shahrokhi**
- 8:30 Impacts of anthropogenic noise and traffic from Eagle Ford Shale exploration on avian nest density, Kelsey R. Davis**
- 8:45 Evaluating performance of an avian radar system in estimating target size metrics, Taylor J. Yerrick**
- 9:00 Assessing accuracy of golden-cheeked warbler population estimates, James M. Mueller**
- 9:15 Whooping crane monitoring: from illusions of perfect knowledge to acknowledgement of uncertainty, Matthew J. Butler**
- 9:30 Break – 30 Minutes**

SESSION 3D: VEGETATION/HABITAT ECOLOGY
EXECUTIVE SALON 4
MODERATOR: ERIC GRAHMANN

- 8:00 Effectiveness of Sendero® on Torrey mesquite for scaled quail habitat restoration, James D. Eddy**
- 8:15 Impacts of anthropogenic noise and traffic from Eagle Ford Shale exploration on quail habitat use, Kelsey R. Davis**
- 8:30 Effects of tanglehead expansion on bobwhite habitat use in South Texas, John T. Edwards**
- 8:45 A multi-practice approach to tanglehead (*Heteropogon contortus*) management and control, Joshua L. Grace**
- 9:00 Surveying wetland vegetation with an unmanned aerial system on Richland Creek Wildlife Management Area, Nicholas R. Villarreal**
- 9:15 The Northeast Texas Conservation Delivery Network: partnerships growing grass root projects into landscape scale conservation, Laura J. Speight**
- 9:30 Break – 30 Minutes**

SESSION 3E: GENERAL WILDLIFE MANAGEMENT
TEXAS BALLROOM C
MODERATOR: VICTORIA HAYNES

- 8:00 A WILD Workshop: training K-12 educators on bird conservation curriculum, Janel L. Ortiz**
- 8:15 Lipid loss as a cost of reproduction in Ambystomatid salamanders, Imogene A. Davis**
- 8:30 Substrate utilization among the Dunes Sagebrush Lizard and its relationship with two sympatric species, Logan D. Ediger**
- 8:45 Landscape effects on geneflow of porcupines along two Texas Panhandle river drainages, Erica D. Thomas**
- 9:00 Waterfowl hunter duck identification skills on the upper Texas coast, Michael D. Whitson**
- 9:15 Effects of neonicotinoid exposure on embryonic development and organ mass in northern bobwhite quail, Amanda D. Gobeli**
- 9:30 Break – 30 Minutes**

SESSION 4A: BIG GAME ECOLOGY AND MANAGEMENT
TEXAS BALLROOM B
MODERATOR: TIMOTHY FULBRIGHT

- 10:00 Factors influencing water consumption by white-tailed deer in South Texas, Jeffery H. Brooks**
- 10:15 Effect of baiting on weight, age, total points, spread, and percentage of legal bucks harvested on the Chaparral Wildlife Management Area, John Clark**
- 10:30 Density and supplemental feeder effects on white-tailed deer populations in southwest Texas, Ashley A. Wilson**

- 10:45 Pelleted feed consumption by white-tailed deer in South Texas, Emily H. Belser**
- 11:00 Mexican white-tailed deer hunting as economic development and anti-poaching tool in south central Mexico, Alejandro J. Reina**
- 11:15 Social factors during feeding influence sexual segregation in Roosevelt elk, Leah M. Peterson**

SESSION 4B: ECOLOGY OF UPLAND GAME BIRDS

SAN ANTONIO BALLROOM

MODERATOR: RYAN LUNA

- 10:00 Species visitation at quail block feeders, Brenda I. Gallegos**
- 10:15 Adaptive genetic variation in the northern bobwhite, Damon Williford**
- 10:30 Genetic diversity and relatedness of northern bobwhite coveys in South Texas, Katherine S. Miller**
- 10:45 Influence of vegetation structure and composition on lesser prairie-chicken abundance, survival, and recruitment following an intense drought, Sarah R. Fritts**
- 11:00 A range-wide assessment of the influence of anthropogenic features and land cover patterns on lesser prairie-chicken lek attendance, Cody P. Griffin**
- 11:15 Incorporating contemporary statistical methods into long-term ecological data: a case study using lesser prairie-chickens, Alixandra J. Godar**

SESSION 4C: GENERAL AVIAN ECOLOGY

TEXAS BALLROOM A

MODERATOR: CHRISTOPHER COMER

- 10:00 Establishing a sustainable landscape conservation strategy for whooping cranes, Kristine L. Metzger**
- 10:15 GIS analysis and modeling of Galveston Bay rookery island erosion risk along the Gulf Intracoastal Waterway, Amanda D. Hackney**
- 10:30 Foraging behavior of phalaropes in a shrinking ecosystem, Maureen G. Frank**
- 10:45 Heavy metal concentrations within breeding snowy plovers in saline lakes of the Southern Great Plains of Texas, New Mexico, and Oklahoma, Hannah M. Ashbaugh**
- 11:00 Mercury concentrations in wetland sediments and blood of breeding snowy plovers in the Southern Great Plains, Laura E. Duffie**
- 11:15 Parental behavior of nesting white-tipped doves in south Texas, Jared D. Hall**

POSTER SESSION
THURSDAY, 18 FEBRUARY 2016: 4:00–6:00 PM
FIESTA PAVILION
CONTACT: KORY GANN

1. ***Use of water and lambing behavior by aoudad and desert bighorn sheep in the Sierra Vieja, Texas**, J. Silverio Avila-Sanchez
2. ***A comparison of rodent trap preferences in South Texas**, Heather J. Hannusch
3. ***Do small mammals cause spot fires during prescribed burns? Fact or urban legend?**, Justin E. Plata
4. ***Is short-distance translocation a viable management option for maritime pocket gophers?**, Cameron Hegler
5. ***Grain storage and aflatoxin testing: problems faced by quail managers from southern Texas**, Justin E. Plata
6. ***Do moth balls really repel wildlife?**, Justin E. Plata
7. ***Efficacy of online videos as a public education tool for wild pig management**, James S. Cash
8. ***Effect of oil spills on populations of the loggerhead sea turtle**, Hannah C. Gerke
9. ***Effects of gillnet entanglement on mortality of dusky dolphins**, Aminta N. Arevilca
10. ***Influence of distance from water and cattle grazing on plant species richness**, Kristen K. Sustaita
11. ***Testing a habitat appraisal guide for Rio Grande turkey**, Ty E. Higginbotham
12. ***Dietary overlap among pronghorn, cattle, and prairie dogs in Trans-Pecos, Texas**, Jill L. Morgan
13. ***Estimating climate-based range expansion in honey mesquite**, William M. Keenan
14. ***Baseline survey of small mammals and bacterial pathogens in the southeastern Rolling Plains**, Hannah Seah
15. ***Relationships between small mammal assemblages and land management in the southeastern Rolling Plains**, Catherine C. Longest
16. ***Nest box use and productivity of American kestrels on the High Plains of Texas**, Christopher K. Gulick
17. ***Survival and reproduction of translocated versus resident northern bobwhites**, Cullom S. Simpson
18. ***The importance of rainfall distribution and its effects on biomass production in South Texas**, Jose G. Cortez Jr.
19. ***Trail preference use and large carnivore encounters by visitors of Big Bend National Park**, Carolina Medina-Nava
20. ***A preliminary evaluation of the effects of neonicotinoid insecticides on northern bobwhite quail in Texas**, Hannah M. Ertl
21. ***Effects of burning on relative abundances and morphological characteristics of green tree frog in Texas**, Thanchira Suriyamongkol
22. ***Getting our ducks in a row: building a teaching collection of waterfowl and upland game bird species for use in Texas Parks and Wildlife's game warden training**, Preston S. Mitchell
23. ***Observations of the cave cricket abundance at selected caves located in Government Canyon Natural State Area**, Whitney M. O'Connell
24. ***Prevalence of gizzard helminths in female northern pintails wintering along the Texas coast**, Derek C. Ballard
25. ***A survey of small mammal ectoparasites in South Texas**, Hunter A. Folmar

26. ***Habitat and landscape factors influencing acoustic detections of various bat species in east Texas**, Cassey Edwards
27. ***Abundance and occupancy patterns of ocelots and bobcats at East El Sauz Ranch and Yturria Ranch**, Shelby B. Carter
28. ***Distribution of wildlife captured on stratified random remote cameras at Elephant Mountain Wildlife Management Area, Texas**, Alec D. Ritzell
29. ****Index of spent shot in Louisiana and Texas Gulf Coast Prairie ricelands**, Joseph R. Marty
30. ****Black rail occupancy and abundance in Texas**, James D. M. Tolliver
31. ****Distribution and habitat selection by mesocarnivores in Big Bend National Park, Texas**, Skyler Stevens
32. ****Permeability and viability of *Baylisascaris procyonis* eggs within various soil types in southern Texas**, Jacob L. Ogden
33. ****Spatial ecology of American alligator nest sites**, Cord B. Eversole
34. ****Evaluating models of nutritional carrying capacity for wintering moose on the Copper River Delta, AK**, Sharon E. Smythe
35. ****Effects of relative predator abundance on northern bobwhite nest success**, William L. Lutz
36. ****Influence of initial nest fate on bobwhite nest placement**, William L. Lutz
37. ****Land cover associations of migrant and wintering golden eagles in the Southern Great Plains**, Natasia R. Mitchell
38. ****Survey and analysis of helminth parasites in northern bobwhites from South Texas**, Stephanie A. Shea
39. ****More than storage: building biodiversity knowledge via scientific collections**, Aleyda P. Galán
40. ****Overwinter fawn habitat selection in South Texas**, Justin P. Young
41. ****Northern bobwhite abundance and agricultural land use in the Edwards Plateau**, Laney Redus
42. ****Effects of differing white-tailed deer and supplemental feeder densities on woody plant canopy cover**, Lindsey M. Phillips
43. ****Prevalence of endoparasitic helminths of the small Indian mongoose on the island of Puerto Rico**, Jose A. Martinez III
44. ****Identification of corridors for natural black bear recolonization in east Texas**, Caitlin M. Glymph
45. ****Avian response to brush management on the Welder Wildlife Refuge**, Olivia A. Kost
46. ****Mosquito surveillance for West Nile virus from 2012 to 2015 in Lubbock, TX, United States**, Steven T. Peper
47. ****Habitat suitability bounds of Montezuma quail in the Edwards Plateau**, Zachary J. Pearson
48. ****Using blood gas analytes to determine physiological effects of parasite load and habitat on bird health**, John Pistone
49. ****Investigation of potential avian and bat impacts at a proposed wind farm in South Texas**, Sara P. Weaver
50. ****Effects of fall and spring patch burning in coastal cordgrass communities on East El Sauz Ranch, Texas, USA**, Victoria L. Haynes
51. ****Management intensive grazing for improved soil health**, Landen R. Gulick
52. ****Short-term implications of prescribed fire on soft mast producing species found in restored pine woodlands of the Ouachita Mountains of western Arkansas**, Tamara B. Wood
53. ****Insights into nest-site fidelity and seasonal survival of the Bewick's wren (*Thryomanes bewickii*) in central Texas**, Anna M. Matthews
54. ****Where the antelope play: fine-scale analyses of habitat use and home range size of GPS-collared pronghorn in Texas**, Caroline L. Ward

55. ****Evaluation of the efficacy of nalbupine-azaperone-medetomidine for immobilization of feral swine and the reversal of that immobilization with naltrexone and atipamezole,** Heather Sanders
56. ****Variation in small mammal and vegetation community composition across successional stages following prescribed burning at a Blackland Prairie in northeast Texas,** Niko R. Brown
57. ****Bacteria prevalence in small mammals on Puerto Rican dairy farms,** Kathryn M. Benavidez
58. ****Fallow rice field seed bank potential on the upper Texas coast: viability for moist-soil management,** Michael D. Whitson
59. ****Human dimensions of conservation photographers in wildlife management,** William C. Colson
60. ****Effects of thermal environment on the growth and health of white-tailed deer fawns (*Odocoileus virginianus*) during summer,** Nicole A. Alonso
61. ****Temporal and spatial distribution of historic human and carnivore encounters in Big Bend National Park,** David P. Rumbelow
62. ****Roost-site selection of northern bobwhites in the Edwards Plateau,** Josh D. Pearson
63. ****Influence of woody cover on northern bobwhite seasonal survival,** James P. Clark
64. ****Reproductive success of barn swallows nesting on buildings along the SH 24 corridor in northeast Texas,** Katelyn M. Miller
65. **Antler characteristics and trophy potential of juvenile white-tailed deer,** Susan M. Cooper
66. **Green anole habitat relationships in longleaf pine forests and their importance in the diet of nesting American kestrels,** Richard R. Schaefer
67. **Migratory birds in an urban setting: a series of case studies,** Ryan K. Blankenship
68. **Modeling northern bobwhite nest success and breeding-season survival on two categories of post-grazing habitat recovery,** Rachel A. Smith
69. **Wildlife diversity and feral hog populations in southern Bexar County,** Dean Wiemers
70. **Development of a carbon dioxide euthanasia trailer for feral swine,** John C. Kinsey
71. **Short distance translocation as a management strategy for the endangered Jamaican boa,** Brent C. Newman
72. **Variation in the melanocortin 1 receptor (MC1R) gene and plumage differences among New World quails,** Damon Williford
73. **Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad,** Rebecca E. Aden
74. **Arthropod response to irrigation of wildlife habitat,** Ross O. Couvillon
75. **Habitat use of the Texas tortoise on a landscape managed for recreational hunting,** Ross O. Couvillon
76. **Prevalence of infectious and noninfectious diseases in Rio Grande wild turkeys located in southern Texas,** Julia K. Burchsted
77. **Winter roosting fidelity for Rio Grande turkeys in the South Texas Plains,** Amber L. Brown
78. **Differences in poult rearing season home ranges of wild turkeys in the South Texas Plains,** Jonatan J. Tamez
79. **Determining home range area curve asymptotes for Rio Grande wild turkeys in South Texas,** Brandon S. Mitchell
80. **Productivity of unmanaged white-tailed deer populations in South Texas: effects of soil and precipitation,** Michaela F. Rice
81. **Rio Grande wild turkey brood habitat use in the Cross Timbers region of Texas,** Luke D. Scroggs
82. **Comparison of common methods used in wetland seed bank analyses,** Jacquelyn D. Evans
83. **Monitoring endangered springsnails at Bitter Lake National Wildlife Refuge: how much effort is enough?,** William P. Johnson

84. **Ectoparasite surveillance of wild turkeys in South Texas**, Victoria R. Saenz
85. **Sandhill crane winter habitat selection and future availability along the Texas gulf coast**, Emily D. Wells
86. **Collecting baseline data on wildlife diversity and abundance in a fire-suppressed Edwards Plateau Woodland community, Mountain Home, TX**, Melissa L. Karlin
87. **Using rod surface elevation tables to identify marsh elevation dynamics on Texas National Wildlife Refuges**, Douglas M. Head
88. **Evaluation of the success and effectiveness of the Welder Wildlife Foundation's Rangelands Curriculum**, Angelica F. Arredondo
89. **Utilizing patch burn grazing and floristic quality assessment in the Texas Blackland Prairie**, Timothy Siegmund
90. **Habitat selection by ducks wintering at Anahuac National Wildlife Refuge**, Tiffany Lane
91. **White-tailed deer preference for corn with 2 additives to improve palatability**, Darrion Crowley
92. **Optimizing effort for monitoring occupancy of a small mammal community in South Texas**, Jeremy A. Baumgardt

*Undergraduate student posters to be judged.

**Graduate student posters to be judged.

EXHIBITORS

Advanced Telemetry Systems

Dow AgroSciences

East Foundation

James G. Teer Conservation Leadership Institute

Landitude, Inc.

Lotek Wireless, Inc.

National Wild Turkey Federation

Natural Resources Conservation Service

Operation Orphans

Southwest Section of The Wildlife Society

Telonics, Inc.

Texas A&M University Press

Texas Brigades

Texas Parks and Wildlife Department

Texas Wildlife Association

Texas Wildlife Services

Tomahawk Live Traps

Vectronic-Aerospace

Voss Signs

Wildlife Conservation Camp

Wildlife Information Systems

Wildlife Materials, Inc.

Women of Wildlife

SPONSORS

Gold

Texas Parks and Wildlife Department



Silver

Institute of Renewable Natural Resources at Texas A&M University



Bronze

East Foundation



Texas Wildlife Association



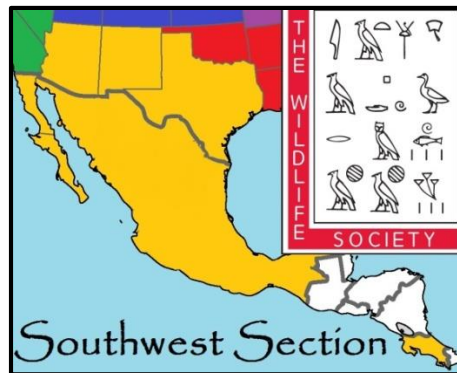
Copper

Donny Worthington

Ducks Unlimited



Southwest Section of The Wildlife Society



Note: Additional sponsors may have been added after printing.