55th Annual Meeting
of the
Texas Chapter
of The Wildlife Society

Conservation Professionals for the 21st Century and Beyond

21–23 February 2019
Montgomery, Texas
2018-2019 Executive Board

Executive Director: Don Steinbach
President: Jena Moon
President-elect: Tyler Campbell
Vice President: John Tomeček
Past President: Corey Mason
Secretary: Annaliese Scoggin
Treasurer: Terry Blankenship
Board Member-at-Large: Mandy Krause
Archivist: Alan Fedynich

Program

Robert Denkhaus and T. Wayne Schwertner

Local Arrangements

Douglas Head, Tiffany Lane, Mary Pearl Meuth, and Penny Wilkerson

Posters

Heather Mathewson and Daniel Price
Meeting Schedule

Wednesday, 20 February 2019
12:00 PM – 4:00 PM  Workshop – Hunting Mentor Training  Cannes

Thursday, 21 February 2019
7:00 AM – 1:00 PM  Field Trip – Sam Houston National Forest WMA  Versailles Ballroom
8:00 AM – 5:00 PM  Registration  Registration Area East
8:00 AM – 12:00 PM  Workshop – R and R Studio for Beginners  Europa
8:00 AM – 12:00 PM  Workshop – Fisheries Techniques  Versailles Ballroom
8:00 AM – 12:00 PM  Workshop – Grazing Planning for Wildlife Managers  Vigo
8:00 AM – 12:00 PM  Workshop – Hunting Mentor Training  Cannes
8:00 AM – 5:00 PM  James G. Teer Leadership Institute  Pisa
8:00 AM – 3:00 PM  Poster Session I Setup  Atrium
10:00 AM – 12:00 PM  Executive Board Meeting  Ibiza
1:00 PM – 2:00 PM  Workshop – Cowbird Trapping  Versailles Ballroom
1:00 PM – 3:30 PM  Student Plant ID Contest  Paris
1:30 PM – 3:30 PM  Business Meeting  Americas Ballroom 2
3:30 PM – 5:30 PM  Quiz Bowl  Venice Ballroom
5:30 PM – 6:30 PM  Poster Session I Judging  Atrium
6:30 PM – 10:00 PM  President's Reception and Networking Event  Versailles Ballroom
7:30 PM – 8:30 PM  Borderlands Research Institute Reception  Greenland 1–2
7:30 PM – 8:30 PM  East Foundation Reception  Greenland 3–4
7:30 PM – 8:30 PM  Texas Tech University Reception  Bordeaux

Friday, 22 February 2019
7:30 AM – 8:30 AM  Student Breakfast  Versailles Ballroom
8:00 AM – 9:30 AM  Women of Wildlife Reception  Bordeaux
8:00 AM – 3:00 PM  Professional Plant ID Contest  Paris
8:00 AM – 5:00 PM  Registration  Registration Area East
8:00 AM – 5:00 PM  Presentation Submission  Registration Area East
8:00 AM – 5:00 PM  Raffle and Silent Auction  Versailles Ballroom
8:00 AM – 5:00 PM  James G. Teer Leadership Institute  Pisa
8:00 AM – 10:00 AM  Art and Photo Contest Submission  Versailles Ballroom
8:45 AM – 9:15 AM  Break  Versailles Ballroom
9:15 AM – 11:40 AM  Cottam Award Presentations  Americas Ballroom
10:30 AM – 4:00 PM  Voting for Photo and Art Contest  Versailles Ballroom
11:40 AM – 1:30 PM  Lunch (On Your Own)  Versailles Ballroom
11:40 AM – 12:30 PM  Student Chapter Leadership Lunch (Invitation Only)  Bordeaux
11:40 PM – 1:30 PM  Past-Presidents Luncheon (Invitation Only)  Essence Café
12:30 PM – 1:30 PM  “Wild Texas Film Tour”  Europa
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**Saturday, 23 February 2019**

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VENUE LAYOUT
Friday, 22 February 2019
CLARENCE COTTAM AWARD COMPETITION
AMERICAS BALLROOM
MODERATORS: MATT BUTLER AND JIM MUELLER
9:15 Welcome and Introduction, Matt Butler and Jim Mueller

9:20 Rumen-reticulum Organ Mass and Rumen Mucosa Surface Area of White-tailed Deer Consuming Two Energy Diets, Sterling G. Spilinek, Floyd W. Weckerly, and Ryan Reitz


10:20 Effects of Source Population and Release Strategy on Reintroduced Scaled Quail Mortality and Dispersal, Rebekah E. Ruzicka, Paul F. Doherty, Jr., and Dale Rollins

10:40 Ultrasonic Acoustic Deterrents Reduce Bat Fatalities at Wind Turbines in South Texas, Sara P. Weaver, Cris D. Hein, Ivan Castro-Arellano, Jonah W. Evans, and Thomas R. Simpson

11:00 Population Growth When Carrying Capacities Vary, Lisa J. Koetke, Adam Duarte, and Floyd W. Weckerly

11:20 As the Feeder Spins: Aggression Affects Feed Use by White-tailed Deer, Emily H. Belser, David G. Hewitt, Timothy E. Fulbright, Charles A. DeYoung, David B. Wester, Thomas W. Boutton, and Don A. Dragger

11:40 Lunch

WILD TEXAS MINI FILM TOUR
EUROPA AMPHITHEATRE
MODERATOR: LOUIS HARVESON

12:30 Welcome and Introduction – Mary Pearl Meuth

12:35 Lions of West Texas

12:43 Return of the Texas Bighorn

12:53 Selah: Water from Stone

1:02 Pronghorn Revival

1:09 Wildlife and the Wall

1:15 Q & A Session

PLENARY SESSION
JAMES G. TEER CONSERVATION LEADERSHIP INSTITUTE
AMERICAS BALLROOM
MODERATOR: ROBERT DENKHAUS

1:45 Welcome and Introduction, Jena Moon, President, Texas Chapter of the Wildlife Society

2:00 Funding Conservation in the 21st Century, Kyle Brunson, Forrest Cobb, Karrie Kolesar, and Olivia Schmidt

2:30 Tags, Talks, and Taking the Lead, Cord Eversole, Maureen Frank, Daniel Price, and David Riley

SESSION A1: AVIAN ECOLOGY AND MANAGEMENT I
AMERICAN BALLROOM 1
MODERATOR: MASI MEJIA


3:45 Breeding Season Food Habits of American Kestrels in the Southern Great Plains, Madeleine A. Thornley, Shea D. Mullican, and Clint W. Boal

4:00 Influences of Changing Rainfall Patterns on the Endangered Attwater’s Prairie-chicken, Jennifer M. Romero, Michael L. Morrison, and Michael E. Morrow

4:15 Mapping Golden-cheeked Warbler Densities Across the Breeding Range, James M. Mueller, Steven E. Sesnie, Sarah E. Lehnen, Helen T. Davis, James J. Giocomo, John N. Macey, and Ashley M. Long

4:30 Swainson’s Hawks Select for Open Country While Migrating Through the Rainforests of Central and South America, Katheryn A. Watson, Clint W. Boal, and James D. Ray

4:45 Sex Ratios as a Function of Density Dependence in American Kestrels, Allison M. Kohler, Mary R. Sellars, Erik R. Olson, and Brian Heeringa
SESSION B1: AMPHIBIANS AND REPTILES I
AMERICAS BALLROOM 3
MODERATOR: SCOTT SUMMERS

3:30 Activity Level and Predation Risk in a Tadpole Guild: Implications for Species’ Distributions Along the Hydroperiod Gradient, Nicholas C. Schiwitz, Christopher M. Schalk, and Daniel Saenz


4:00 On the Road Again: Using Citizen Science Data to Understand Patterns of Amphibian and Reptile Road Mortality, Toby J. Hibbitts, Danielle K. Walkup, Kevin L. Skow, and Wade A. Ryberg


4:30 The Influence of Weather and Water Chemistry on Anuran Breeding Activity at Bitter Lake National Wildlife Refuge, Katherine R. Fikac, Daniel Saenz, Jeff Beauchamp, and James B. Johnson

4:45 Vacant

SESSION C1: HUMAN-WILDLIFE INTERACTIONS
EUROPA AMPHITHEATRE
MODERATOR: APRIL A. TORRES CONKEY

3:30 Assessing Differential Wildlife Use of Road Underpass Structures, Joshua D. Renner, Michelle Adcock, M. Clay Green, and Thomas R. Simpson

3:45 Statewide Delivery of Lone Star Healthy Streams Feral Hog Management Programming in Priority Watersheds in Texas, Josh L. Helcel and Jim Cathey

4:00 The City Nature Challenge: Leveraging Citizen Science for Conservation in Texas, Tania Z. Homayoun


4:30 Utilizing the Conservation Delivery Network Model for Landscape Conservation in Northeast Texas, Jason A. Estrella and Steven K. McKnight

4:45 Vacant
SESSION D1: WILDLIFE MANAGEMENT TECHNIQUES
IBIZA
MODERATOR: JENNY SANDERS

3:30 A Novel Approach to the Analysis of Dynamic Animal Space Use Interactions for Telemetry Data, Justin T. French, Hsiao-Hsuan “Rose” Wang, William E. Grant, Tyler A. Campbell, and John M. Tomecek

3:45 Detection Capabilities of Bioacoustic Monitors, Kathryn L. Burton, Madison K. Midgley, Stephen L. Webb, Mike Proctor, Cresten Sledge, and Heather A. Mathewson

4:00 Exploring the Potential of Weather Radar for Monitoring Migrations of Insect Pollinators, James D. Ray, Phillip Stepanian, and Jeffrey Kelly

4:15 Modeling Foraging Habitat for Shorebirds in the Laguna Madre, Mikayla M. House, Bart M. Ballard, Selma N. Glasscock, Mitchell D. Weegman, and Humberto L. Perotto-Baldivieso

4:30 Evaluation of a Black-tailed Prairie dog Restoration Via Translocation in the Trans-Pecos Ecoregion, Texas, Barbara J. Sugarman, Bonnie J. Warnock, Patricia M. Harveson, and Russell L. Martin

4:45 Vacant

SESSION E1: NON-GAME MAMMALS I
VIGO
MODERATOR: ELIZABETH CARY MUNGALL

3:30 Cattle Grazing Impacts on Small Mammal Populations in South Texas, Alexis R. Pence

3:45 Coexistence Among Felids, Cattle and Game species, Shelby B. Carter, Michael E. Tewes, Humberto L. Perotto-Baldivieso, C. Jane Anderson, Jason V. Lombardi, Amanda M. Veals, and Tyler A. Campbell

4:00 Mesopredator Occurrence and Distribution in an Urban Environment in the Southern High Plains of Texas, Christopher R. Carter, Warren C. Conway, Mark C. Wallace, and Robert D. Bradley

4:15 Structural and Environmental Predictors of Tri-colored Bat Presence and Abundance in Texas Culverts, Melissa B. Meierhofer, Samantha J. Leivers, Rachel R. Fern, Lilianna K. Wolf, John H. Young, Jr., Brian L. Pierce, Jonah W. Evans, and Michael L. Morrison


4:45 Vacant
SESSION F1: FINDING YOUR DREAM JOB I
VENICE
MODERATOR: MITCH STERNBERG

3:30 Todd Merendino, Ducks Unlimited
3:45 Whitney Gann, Texas Parks and Wildlife Department
4:00 Ty Bartoskowitz, MT7 Ranch
4:15 John Tomecek, Texas A&M AgriLife Extension
4:30 Romey Swanson, Audubon Texas
4:45 Ricky Linex, USDA Natural Resource Conservation Service

Saturday, 23 February 2019
SESSION A2: AVIAN ECOLOGY AND MANAGEMENT II
AMERICAN BALLROOM 1
MODERATOR: ANDREW C. KASNER

8:00 A Review of the Rio Grande Wild Turkey Breeding System, Amanda K. Beckman
9:00 Vegetation Attributes Providing Thermal Refugia for Northern Bobwhites in South Texas, Brandon J. Palmer, Timothy E. Fulbright, Eric D. Grahmann, Fidel Hernandez, Michael W. Hehman, and David B. Wester
9:15 Landscape Connectivity for Lesser Prairie-Chickens on the Southern High Plains of Texas and New Mexico, Lucas J. Schilder, Lucas J. Heintzman, Nancy E. McIntyre, Samuel Harryman, Christian A. Hagen, Russell Martin, Blake A. Grisham, and Clint W. Boal
SESSION B2: AMPHIBIANS AND REPTILES II  
AMERICAS BALLROOM 3  
MODERATOR: JESSICA GLASSCOCK

8:00  Effects of Fire Seasonality on Reptiles and Amphibians in a Rolling Plains Ecosystem, Joselyn M. Gutierrez, Richard T. Kazmaier, and Matthew W. Poole

8:15  Habitat Associations and Population Estimates for the Texas Horned Lizard in the Southern High Plains of Texas, Sara A. van der Leek, and Andrew C. Kasner

8:30  Herpetofaunal Responses to Time Since Burning in an Eastern Texas Woodland, Erin E. Stiede, Richard T. Kazmaier, Michelle L. Caruana, and Ashley Tubbs

8:45  Movements, Home Range, Activity Patterns, and Habitat Selection of the Western Chicken Turtle in Texas, Brandon C. Bowers, Danielle K. Walkup, Toby J. Hibbitts, Paul Crump, and Wade A. Ryberg

9:00  Variation in Demographic Trade-Offs for Yellow Mud Turtle Populations in Texas, Jonathan A. Zenor, Richard T. Kazmaier, Mark J. Lange, and Trevor J. McVay

9:15  Using Museum and Citizen-science Data to Examine the Range Contraction of a Threatened Lizard Species, Jared W. Haney

SESSION C2: BIG GAME MANAGEMENT I  
EUROPA AMPHITHEATRE  
MODERATOR: KRISTYN STEWART

8:00  Developing Tooth Replacement and Wear Criteria for Aging Free-ranging Axis Deer with Comparisons to the Criteria for Aging White-tailed Deer, Matthew J. Buchholz, Blake A. Grisham, Thomas L. Arsuffi, and Warren C. Conway

8:15  Elk Forage Response to Prescribed Fire in a Meadow in Redwood National and State Parks, Lee H. Williamson and Floyd W. Weckerly

8:30  Home Range of Translocated Pronghorn in Trans-Pecos, Texas, Howell A. Pugh, Louis A. Harveson, Carlos Gonzalez, Dana Karelus, and Shawn S. Gray


SESSION D2: VEGETATION AND HABITAT MANAGEMENT
IBIZA
MODERATOR: JACOB WHITE

8:00  Changes in Forage Biomass for Elk and Mule Deer Following 6 Years of Landscape Scale Forest Restoration and Monitoring in the Jemez Mountains, New Mexico, Sharon E. Smythe, James W. Cain, III, Warren C. Conway, and Mark A. Peyton

8:15  Ecotypic Seed for Restoration Efforts in the Coastal Prairies Region of Texas, Douglas L. Jobes, Forrest S. Smith, Anthony D. Falk, Keith A. Pawelek, Aaron D. Tjelmeland, and Garry L. Stephens

8:30  Seasonal Prescribed Burning Effects on Forage Production and Composition of Gulf Cordgrass Communities, Jose S. Avila Sanchez, Victoria L. Haynes, Sandra Rideout-Hanzak, David B. Wester, Jose A. Ortega-S, and Tyler A. Campbell

8:45  Quail Habitat Restoration in Areas Dominated by Non-Native Grasses, Ellart J. Vreugdenhil


9:15  Proximity to Disturbance as a Function of African Rue Density, Sarah J. Turner, Brian L. Pierce, Krysta D. Demere, Frank Cartaya, and Carlos E. Gonzalez

SESSION E2: NON-GAME MAMMALS II
VIGO
MODERATOR: SARAH FRITTS

8:00  Change of Woody Cover Affects Ocelot Recovery in South Texas, Jason V. Lombardi, Michael E. Tewes, and Humberto L. Perotto-Baldivieso

8:15  Withdrawn

8:30  Multiseason Occupancy Dynamics of Ocelots in Tamaulipan Thornshrub of South Texas, Jason V. Lombardi, Michael E. Tewes, Humberto L. Perotto-Baldivieso, Jose M. Mata, and Tyler A. Campbell
8:45  Ocelot Resource Selection in a Highly Fragmented Landscape, Amanda M. Veals, AnnMarie Blackburn, Jane Anderson, Michael E. Tewes, Joseph D. Holbrook, Humberto L. Perotto-Baldivieso, Randy W. DeYoung, and John H. Young, Jr.

9:00  Spatial and Temporal Behavior Patterns of Coyotes in South Texas, Justin T. French, Tyler A. Campbell, and John M. Tomecek

9:15  Withdrawn

SESSION F2: FINDING YOUR DREAM JOB II
VENICE
MODERATOR: MITCH STERNBERG

8:00  Kevin Malonson, Texas Parks and Wildlife Department
8:15  Larry Pierce, Texas A&M AgriLife Extension
8:30  Sharon Fuller-Barnes, US Fish and Wildlife Service
8:45  John Warner, Texas Parks and Wildlife Department
9:00  Tom Boggus, Texas Forest Service
9:15  Masi Mejia, East Foundation

SESSION A3: AVIAN ECOLOGY AND MANAGEMENT III
AMERICAN BALLROOM 1
MODERATOR: JOHN PALARSKI

10:00  Grassland Bird Diversity and Habitat Associations in the Southern High Plains, Texas, Sharon L. DeMerritt and Andrew C. Kasner
10:45  Resource Selection and Energy Expenditure by Greater White-fronted Geese During Winter, Jay A. VonBank, Bart M. Ballard, Kevin J. Kraai, Mitch D. Weegman, and Daniel P. Collins
11:00  Southern Texas Ecosystem Engineers: How the Golden-fronted woodpecker Can Improve avian Biodiversity, Faith O. Hardin
11:15  Avian Distribution Across a South Texas Working Ranch Landscape and Implications for Migratory Facilitation, Allison M. Kohler and Michael L. Morrison

SESSION B3: AMPHIBIANS AND REPTILES III
AMERICAS BALLROOM 3
MODERATOR: MARISSA PENSIKUL

10:00  Community Organization of a Snake Guild in Shortleaf Pine Forests, Connor S. Adams, Christopher M. Schalk, and Daniel Saenz

10:15  Correlates of Snake Entanglement in Erosion Control Blankets, Sarah E. Ebert, Kasey L. Jobe, Daniel Saenz, Cory K. Adams, Christopher M. Schalk, and Christopher E. Comer

10:30  Microhabitat Variables Drive Within Breeding-season Colonization-extinction Dynamics in a Specialist Lizard, Danielle K. Walkup, Wade A. Ryberg, Lee A. Fitzgerald, and Toby J. Hibbitts

10:45  The Massasauga Saga: Habitat Conservation Forecasting for the Western Massasauga, Wade A. Ryberg, Michelle Lawing, Danielle K. Walkup, and Toby J. Hibbitts

11:00  Vacant

11:15  Vacant

SESSION C3: BIG GAME MANAGEMENT II
EUROPA AMPHITHEATRE
MODERATOR: SUSANNA HUSBANDS

10:00  Cattle Grazing and Forb Production for White-tailed Deer Can Be Compatible, Dillan J. Drabek, J. Alfonso Ortega-S., Timothy E. Fulbright, David G. Hewitt, and David B. Wester


10:30  Landscape Use by Male White-tailed Deer After Brush Management, Jacob L. Dykes, Randy W. DeYoung, Timothy E. Fulbright, J A. Ortega-S, and Dean W. Wiemers

11:00 Variable Precipitation Causes Permanent Cohort Effects on Antler size in South Texas Populations of White-tailed Deer, Masahiro Onishi, Randy W. DeYoung, Charlie A. DeYoung, Bronson K. Strickland, David G. Hewitt, and Don A. Draeger

11:15 Vacant

**POSTER SESSION I**

3:00 PM – 6:30 PM THURSDAY, 21 FEBRUARY
(JUDGING: 5:30 PM – 6:30 PM THURSDAY, 21 FEBRUARY)
8:00 AM – 3:00 PM FRIDAY, 22 FEBRUARY

**ATRIUM**

**ORGANIZERS: HEATHER MATHEWSON AND DANIEL PRICE**

1. Ecological Requirements for 2 Grassland Obligate Birds in the Marfa Grassland, Texas, Fabiola Baeza-Tarin and Mieke Titulaer

2. Effect of Weather Conditions on Population Variance and Abundance of Cassin's Sparrow, Horned Lark, Mourning Dove, and Western Meadowlark Populations in a West Texas Shortgrass Prairie, Jonathon P. Bentley and Clint Boal


4. Evaluating Nutritional Content of Browse Plants Collected Across a West-East Gradient of the Trans-Pecos, Texas, Daniel E. Botello, Thomas S. Janke, and Louis A. Harveson


6. Habitat Characteristics and Use by Texas Horned Lizards and Texas Tortoises on South Texas Rangelands, Victoria M. Cavazos, and Javier O. Huerta

7. Accelerated Growth of Tamaulipan Thornscrub Habitat for Ocelots, Jose G. Cortez, Jr, Sandra Rideout-Hanzak, David B. Wester, Michael E. Tewes, and David E. Ruppert


11. Seed Biomass in 2 Different Grazing Regimes in the Marfa Grasslands, Texas, Margaret G. Downing, Fabiola T. Baeza, and Mieke Titulaer

13. Exploring Trophic Levels and Landscape Ecology with BeeBot Technology, Linden S. Eli, Marybeth Green, Humberto L. Perotto-Baldivieso, and April A. Conkey

14. Using Motion-Sensing Trail Cameras to Monitor Response of Wild Pigs to Control Efforts, Bethany A. Friesenhahn, Kurt C. Vercauteren, Nathan P. Snow, Bruce R. Leland, and Randy W. DeYoung


17. Correlating Body Condition and Habitat Management of Wintering Duck Populations in Texas Wetlands, Allison A. Guggenheimer and Jacquelyn K. Grace

18. Nutritional Differences Between the Genera *Bouteloua* and *Aristida* in the Marathon Basin of Texas, Katherine E. Haile, Cullom S. Simpson, Bonnie J. Warnock, and Thomas S. Janke

19. Seasonal and Annual Variation in Raptor Species Presence and Abundance in the Southern Great Plains of Texas, Jenny R. Harris and Clint W. Boal

20. Advertisement Calls for Eleven Anuran Species from the Bolivian Gran Chaco, Hailey A. Hester, Christopher M. Schalk, and Daniel Saenz


22. Estimating the Expected Rate of Use of Road Mitigation Structures in South Texas: A Preliminary Analysis, Taylor M. Hopkins, Thomas Yamashita, Anna Rivera, Kevin Ryer, John Young Jr., and Richard Kline


24. Effects of Habitat Restoration on Texas Horned Lizards and Their Prey, Javier O. Huerta and Scott E. Henke

25. Effects of Water Quality and Availability on the Consumption of Pelleted Feed by Whitetailed Deer, Austin K. Killam, Clayton D. Hilton, and David G. Hewitt

26. Pronghorn Preferred Forage Production in Relation to Cattle Grazing Regimes in the Trans-Pecos, Texas, Jacob C. Locke, Katherine Haile, Carlos E. Gonzalez, Louis A. Harveson, and Shawn S. Gray

27. Wetland Use and Characterization of Mexico Wetlands Used by Wintering Midcontinent Greater White-fronted Geese, Jason P. Loghry, Jay A. Vonbank, Kevin J. Kraai, and Bart M. Ballard

28. Comparison of Telemetry and Occurrence Data to Inform Ocelot Habitat Suitability in South Texas, Jason V. Lombardi, Michael E. Tewes, Humberto L. Perotto-Baldivieso, Daniel G. Scognamillo, and Tyler A. Campbell

29. Home Range and Habitat Selection of the Greater Roadrunner on the Welder Wildlife Refuge, Derek R. Malone, Clint W. Boal, and Terry L. Blankenship

31. Reseeding Techniques on the Chilicotal soil, Chihuahuan Desert, Texas, After Treatment with Tebuthiuron, Carolina Medina-Nava, Bonnie J. Warnock, and Kevin Urbanczyk

32. Wind Turbine Concentrations and the Threats They Pose to Swainson's Hawks, Margaret E. Meier, Katheryn A. Watson, Clint W. Boal, and James D. Ray


35. Analysis of Allelic Variation in the Prion Protein Gene of South Texas White-tailed Deer, David Navarro, Randy W. DeYoung, Aaron M. Foley, Charles A. DeYoung, Don A. Draeger, and Tyler A. Campbell


38. Transposable Element-based Investigations Into Vesper Bat Genome Evolution and Cryptic Speciation, Nicole S. Paulat, Jennifer Korstian, David A. Ray, and Roy N. Platt II


40. Molecular Systematics of Pocket Gophers Based on 2 Nuclear and 2 Mitochondrial Genes, Emma K. Roberts, Erica Vargas, Sheri Ayers, and Robert D. Bradley

41. Summer Roosting Ecology of Evening Bats on the Gulf Coast of Texas, Jacob A. Rogers, Matthew C. Parker, and Sarah R. Fritts


43. Evaluation of a Technique to Eliminate Excessive Data in Camera Trap Surveys for Mesocarnivores in the Marfa Grasslands of Texas, Julie R. Schmidt, Matthew O. Hewitt, Thomas S. Janke, and Patricia Moody Harveson

44. Distribution and Comparative Nesting Habitat of Riparian Raptors in the Trans-Pecos Region of Texas, Caroline K. Skidmore, Clint Boal, Ben Skipper, and Russell Martin

45. Evaluation of Cover Type Use by Nilgai Antelope in Rangelands to Assess Cattle Fever Tick Dispersal, Kathryn M. Sliwa, Aaron M. Foley, Randy W. DeYoung, Jeremy A. Baumgardt, J. Alfonso Ortega-S., David G. Hewitt, Humberto Perotto-Baldivieso, John A. Goolsby, Adalberto Perez de Leon, and Tyler A. Campbell
46. *Aspergillus Flavus* Control: The Need to Consider Spores, Jacobo Soliz, Greta L. Schuster, Scott E. Henke, and Alan M. Fedynich

47. Comparison of GPS and Iridium Collars on Ocelots and Bobcats in South Texas, Samuel H. Stone, Jason V. Lombardi, Michael E. Tewes, and Tyler A. Campbell

48. The Use of Prescribed Fire, Herbicide Application, and Native Plants to Restore Bottomland Blackland Prairie in Constructed Wetlands, Canaan Sutton and Johanna Delgado-Acevedo

49. A Survey of Northern Bobwhite Helminths in South Texas from 2016 to 2018, Nicole J. Traub, and Alan M. Fedynich


51. Assessing Changes in Wildlife Road Mortality Hot Spots After the Construction of Wildlife Mitigation Structures on a South Texas Highway, Thomas J. Yamashita, Trinity D. Livingston, Kevin Ryer, John Young, Jr., and Richard J. Kline


**POSTER SESSION II**

5:00 PM – 10:00 PM FRIDAY, 22 FEBRUARY
8:00 AM – 11:30 AM SATURDAY, 23 FEBRUARY

ATRIUM

ORGANIZERS: HEATHER MATHEWSON AND DANIEL PRICE


54. Parasitological Survey of Lesser Prairie-Chickens in Texas and New Mexico, Kristin J. Bondo, Mike Whitson, Clint Boal, Markus Peterson, Brad Simpson, Christian Hagen, and Blake Grisham


56. Accelerated Growth of Tamaulipan Thornscrub Habitat for Ocelots, Jose G. Cortez, Jr, Sandra Rideout-Hanzak, David B. Wester, Michael E. Tewes, and David E. Ruppert

57. Population Trends of High Conservation Priority Bird Species Within the Gulf Coast Joint Venture Region, Stephen J. DeMaso, Joseph P. Sands, Leonard A. Brennan, and William G. Vermillion

58. Behavioral Responses of White-tailed Deer to Heat Stress, Jacob L. Dykes, Randy W. DeYoung, Timothy E. Fulbright, David G. Hewitt, Charles A. DeYoung, J A. Ortega-S, Aaron M. Foley, and Tyler A. Campbell


61. Survival and Success of Translocated Wild California Quail in Texas, Elizabeth D. Fortner and Kelly Regina

62. Aflatoxin Inhibits Phagocytic Activity of Macrophages in Northern Bobwhite and Exacerbates Crippling Loss, Scott E. Henke, Clayton D. Hilton, and Alan M. Fedynich

63. Spatial Partitioning of Coyotes and Mesocarnivores in the Marfa Grasslands of Texas, Hunter L. Hopkins, Matthew O. Hewitt, Thomas S. Janke, Dana Karelus, and Patricia Moody Harveson

64. Caudates as Prey: Predator Diversity and Size-relationship Patterns, Kasey L. Jobe, Carmen G. Montana, and Christopher M. Schalk


66. Using GPS Collar Data as Surrogate for Visual Observation, Elizabeth Cary Mungall and Christian Mungall


69. Assessing Occupancy of Bats on the Gulf Coast of Texas, Matthew C. Parker, Jacob A. Rogers, and Sarah R. Fritts

70. Recap of My Experiences While Helping with the Trans-Pecos Kit Fox Distribution Project, Texas, Peter T. Poulsen, Matthew O. Hewitt, Patricia M. Harveson, Thomas S. Janke, Julie Schimdt, and Hunter Hopkins

71. Validating the Use of White-tailed Deer Capture Locations for Home-range Scale Habitat Analysis, Seth T. Rankins, Jacob L. Dykes, Tim E. Fulbright, Alfonso Ortega, Aaron M. Foley, David G. Hewitt, Randy W. DeYoung, and Landon R. Schofield

72. Trends in Bird-Window Collision on a Local Scale, Delanie E. Slifka and April A. T. Conkey


74. Does size matter? A Comparison of Herpetological Communities in 2 Constructed Wetlands in Northeast Texas, Canaan Sutton, Zachary Delisle, and Johanna Delgado-Acevedo
75. Winners and Losers: Small Mammal Responses to Tropical Land Use Change, Jacquelyn M. Tleimat and Sarah R. Fritts
76. Lesser Prairie-chicken Nest Success and Habitat Selection Response to Various Prescribed Fire and Grazing Regimes, Michael D. Whitson, Blake A. Grisham, Warren C. Conway, Christian A. Hagen, and Randy Howard
77. Road Density, Corridors, and Wildlife-Vehicle Collisions in South Texas, Kelley A. Wood
79. Bat Acoustic Activity During Fall at Wind Turbines in South Texas, Danielle A. Cordani, Sara P. Weaver, Nevin Durish, Ivan Castro-Arellano