

51st Annual Meeting
of the
Texas Chapter
of
The Wildlife Society



“The Next 50 Years of Wildlife Management –
Challenges and Opportunities”

19–21 February 2015

Corpus Christi, Texas

2014–2015 EXECUTIVE BOARD

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POSTERS

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MEETING SCHEDULE

Wednesday, 18 February

- 8:00 a.m.–5:00 p.m. Exhibitors–*Henry Garrett C*
11:00 a.m.–5:00 p.m. Registration–*Watergarden A Pre-function Space*
12:00 p.m.–5:00 p.m. Techniques and Technology–*Henry Garrett C*
12:00 p.m.–5:00 p.m. Wildlife Tracking Identification–*Henry Garret D*
5:00 p.m.–9:00 p.m. Range Plant Contest Set-up period–*Harborview A&B*

Thursday, 19 February

- 6:30 a.m.–8:00 a.m. Workshop Breakfast–*Henry Garrett D*
8:00 a.m.–7:00 p.m. Registration–*Watergarden A Pre-function Space*
8:00 a.m.–12:00 p.m. Exhibitors–*Henry Garrett C*
8:00 a.m.–12:00 pm Techniques and Technology–*Henry Garrett C*
8:00 a.m.–12:00 p.m. TCTWS Executive Board meeting–*Room 226*
8:00 a.m.–1:00 p.m. AgriLife Extension meeting–*Room 104*
8:00 a.m.–2:00 p.m. James G. Teer Leadership Institute–*Room 102*
11:00 a.m.–1:00 p.m. Student Plant ID Competition–*Harborview A&B*
11:00 a.m.–3:00 p.m. Poster Session Set-up Period–*Henry Garrett Pre-function Space*
12:00 p.m.–9:00 p.m. Exhibits–*Watergarden B*
1:00 p.m.–6:00 p.m. Presentation Submissions–*Registration Desk–Watergarden A Pre-function Space*
2:30 p.m.–3:30 p.m. Wildlife Conservation Camp Meeting for former staff and interested individuals–*Room 102*
1:00 p.m.–6:30 p.m. Submit for Art & Photo Contest–*Harborview D*
1:00 p.m.–4:00 p.m. TCTWS Business Meeting–*Harborview C*
1:00 p.m.–3:30 p.m. Texas Quiz Bowl–*Room 227*
1:00 p.m.–6:30 p.m. Raffle & Silent Auction–*Watergarden B*
4:00 p.m.–5:00 pm. Conservation Affairs Committee–*Room 104*
4:00 p.m.–6:00 p.m. Posters Session Judging–*Henry Garrett Pre-function Space*
5:00 p.m.–6:00 p.m. TPWD Wildlife Meeting–*Room 103*
5:00 p.m.–6:00 p.m. Southwest Section TWS Women of Wildlife (WOW) Reception–*Henry Garrett Ballroom C*
6:00 p.m.–6:30 p.m. Student Mentor Mixer–*Henry Garrett Pre-function Space*
6:00 p.m.–10:00 p.m. President's Reception–*Henry Garrett Pre-function Space*
- ### Friday, 20 February
- 6:30 a.m.–8:00 a.m. Student Breakfast–*Henry Garrett C*
7:30 a.m.–5:00 p.m. Raffle & Silent Auction *Watergarden B*
7:30 a.m.–5:00 p.m. Registration–*Watergarden A Pre-function Space*
7:30 a.m.–10:00 a.m. Submit for Art & Photo Contest–*Harborview D*
7:30 a.m.–11:59 p.m. Exhibits–Breaks–*Watergarden B*

8:00 a.m.–6:00 p.m. Presentation Submissions–*Registration Desk–
Watergarden A Pre-function Space*

8:00 a.m.–11:59 p.m. Posters up–*Henry Garrett Pre-function Space*

8:00 a.m.–10:00 a.m. Plenary Session–*Henry Garrett A&B*

9:00 a.m.–12:00 p.m. Focus Group–Stakeholder Attitudes Toward Grassland
Birds–*Room 102*

10:30 a.m.–12:00 p.m. Cottam Award Papers–*Henry Garrett A&B*

10:30 a.m.–4:00 p.m. Popular vote for Art & Photo Contest–*Harborview D*

12:00 a.m.–1:30 p.m. Past President’s Luncheon–*Rotunda*

12:00 p.m.–1:30 p.m. Lunch–**On Your Own**

1:30 p.m.–5:00 p.m. Concurrent Technical Sessions–*Harborview A, C, E, and
Rooms 226 and 227*

2:00 p.m.–5:00 p.m. Photo Critique Session and Annual Meeting of
Professional Photographers–*Harborview D*

6:00 p.m.–7:00 p.m. Pre-Banquet Social Ballroom (**cash bar**)–*Henry Garrett
Pre-function Space*

6:00 p.m.–7:00 p.m. TWA, Women of the Land Reception–*Rotunda*

7:00 p.m.–11:00 p.m. Awards Banquet–*Henry Garrett A–D*

Saturday, 21 February

7:00 a.m.–7:45 a.m. Fellowship of Christian Conservationists–*Room 102*

7:30 a.m.–11:00 a.m. Registration–*Watergarden A Pre-function Space*

8:00 a.m.–11:30 a.m. Exhibits-Breaks–*Watergarden B*

8:00 a.m.–10:00 a.m. Posters are to be taken down–*Henry Garrett Pre-function
Space*

8:00 a.m.–12:00 p.m. TCTWS Executive Board Meeting–*Harborview B*

8:00 a.m.–11:15 p.m. Concurrent Technical Sessions–*Harborview A, C, E, and
Rooms 226 and 227*

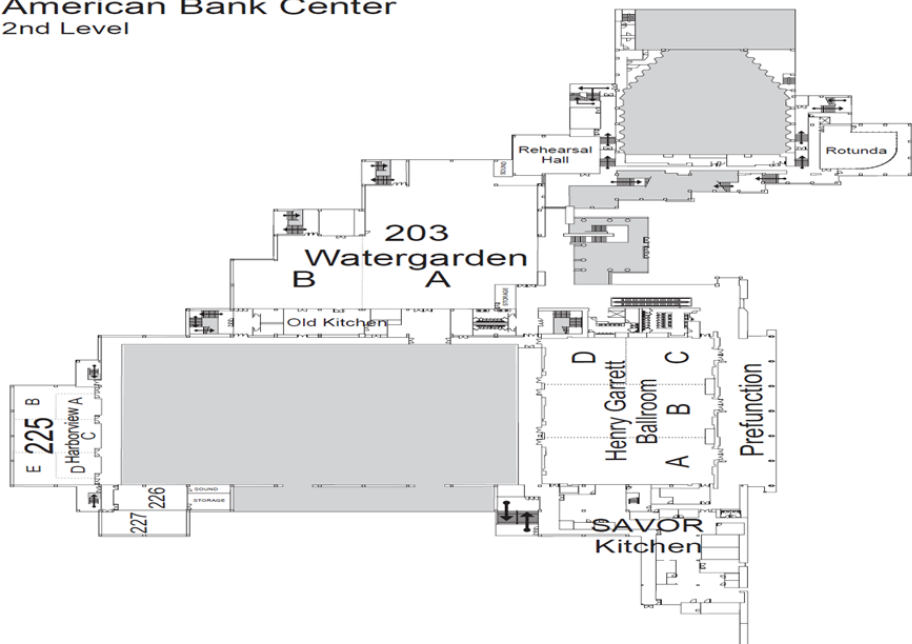
1:00 p.m.–2:00 p.m. Ocelot Translocation Working Group Meeting–
Harborview B

12:00 p.m. Adjourn 51st Annual Meeting

American Bank Center
Ground Level



American Bank Center
2nd Level



Friday, 20 February 2015

**PLENARY SESSION
HENRY GARRETT A&B
MODERATOR: MICHAEL TEWES**

- 8:00: Opening Remarks–50th and 51st Anniversary Meetings, –**
Michael Tewes, Program Co-Chair, Texas Chapter of The
Wildlife Society
- 8:05: Welcome and Introduction, –** David Hewitt, President,
Texas Chapter of The Wildlife Society
- 8:20: The Wildlife Society – Where We Are and Our Future –**
Ken Williams, Executive Director, The Wildlife Society
- 8:40: Demographic Trends and Implications for Wildlife
Management –** Mike Cline, Associate Director, Hobby
Center for the Study of Texas, Rice University
- 9:00: The Future of the Wildlife Profession – Training the Next
Generation, Roel Lopez, Director, Institute of Renewable
Natural Resources**
- 9:20: James G. Teer Leadership Institute, –** Selma Glasscock,
Assistant Director, Welder Wildlife Foundation
- 9:25: Overview of the James G. Teer Conservation Leadership
Institute Early Career Professional Program, Tucker
Slack**
- 9:35: Presentation of Jame G. Teer Leadership Institue
Certificates, Selma Glasscock**
- 10:00: Break–30 MINUTES**

**CLARENCE COTTAM AWARD COMPETITION
HENRY GARRETT A&B
MODERATOR: ALFONSO ORTEGA-SANCHEZ, JR.**

- 10:30: White-tipped dove detection probability, occupancy, and
distribution in the Lower Rio Grande Valley, Texas,**
Thomas A. W. Enright
- 10:45: Prioritizing mottled duck habitat for conservation along
the western Gulf Coast, Anastasia Krainyk**
- 11:00: Estimating golden-cheeked warbler immigration:
implications for conservation, Adam Duarte**
- 11:15: Behavioral response of northern bobwhite to simulated
predator attack, William Newman**

- 11:30: Using a double observer approach to distance sampling during aerial surveys for large mammals, Mary K. Annala**
- 11:45: Estimating capacity of available forage to sustain pronghorn in the Trans-Pecos, Justin French**
- 12:00: LUNCH—ON YOUR OWN**

**SESSION 1A: ECOLOGY OF COLD-BLOODED ANIMALS
Harborview A**

MODERATOR: MARK LANGE

- 1:30: Nuisance American alligators: an investigation into trends and public opinion, Cord B. Eversole**
- 1:45: Growth, condition, and age of American alligators in a high density population, Cord B. Eversole**
- 2:00: Effects of agriculture on snake diversity and abundance in northeastern Swaziland, Jacob D. Owen**
- 2:15: The influence of fire on a herpetofaunal community in eastern Texas, Ashley C. Tubbs**
- 2:30: Evaluation of translocating wild-caught Texas horned lizards into formerly occupied habitat on the Muse Wildlife Management Area, Devin R. Erxleben**
- 2:45: Reptile and amphibian baseline surveys on the East Wildlife Foundation, Connor S. Adams**
- 3:00: Break—30 MINUTES**

**SESSION 1B: ECOLOGY AND MANAGEMENT OF LARGE
MAMMALS**

Harborview C

MODERATOR: DAVID F. VEALE

- 1:30: Effect of location on the physical characteristics of unmanaged white-tailed deer in South Texas, Kory R. Gann**
- 1:45: Is sexual segregation in Roosevelt elk influenced by male density, Leah M. Peterson**
- 2:00: Utilization distributions and movement of translocated desert bighorn sheep in the Bofecillos Mountains, Texas, Thomas S. Janke**

- 2:15: Evaluation of the efficacy of nalbuphine-medetomidine for immobilization of white-tailed deer and the reversal using naltrexone and atipamezole, Lauren D. Balderas**
- 2:30: Density and fawning season effects on home range size of female white-tailed deer, John H. Clark**
- 2:45: Are antler restriction regulations influencing breeding chronology?, Rusty Wood**
- 3:00: Break–30 MINUTES**

**SESSION 1C: ECOLOGY AND MANAGEMENT OF CARNIVORES
Room 226**

MODERATOR: Chip Ruthven

- 1:30: Edaphic factors as a measurement of spatial division between ocelot and bobcat habitat in South Texas, Justin P. Wied**
- 1:45: Ocelot population status and comparison of population estimates using 2 estimation techniques, Eric L. Rulison**
- 2:00: Landscape effects on bobcat genetic structure across ecoregions in west Texas, Imogene A. Davis**
- 2:15: Habitat selection of bobcats in a Texas High Plains ecosystem, Lena M. Thurmond**
- 2:30: Bobcat population drivers in South Texas, G. Wesley Watts III**
- 2:45: A synopic model of ocelot and bobcat space use, John P. Leonard**
- 3:00: Break–30 MINUTES**

**SESSION 1D: WILDLIFE IN MEXICO
ROOM 227**

MODERATOR: CULLEN HANKS

- 1:30: New regional focus of Mexico's wildlife conservation and sustainable use program, Jorge Maksabedian de la Roquette (invited)**
- 1:45: Monarch butterfly conservation actions in Mexico, Gloria Tavera-Alonso**
- 2:00: Morelet's crocodile monitoring in Tamaulipas, Alejandro Garza Peña**
- 2:15: Jaguar monitoring in Tamaulipas, Alejandro Garza Peña**

- 2:30: Contribution of citizen's science to track the monarch butterfly migration in Mexico, Martin Sánchez-Vilchis**
- 2:45: Behavior patterns of tropical cats in the Tamaulipan Biotic Province, Shelby Carter**
- 3:00: Break–30 MINUTES**

**SESSION 1E: LAND TRENDS AND LANDSCAPE PLANNING
Harborview E**

MODERATOR: BILL BARTUSH

- 1:30: Texas land trends: status update and trends of Texas rural working lands and implications for future conservation, Addie Engeling**
- 1:45: Landscape conservation design 101: a product oriented process for conservation in the southern grasslands, James Broska**
- 2:00: The Gulf Coast Vulnerability Assessment: informing adaptation options in landscape conservation design, John M. Tirpak**
- 2:15: Intergrating grassland bird conservation and human landscape in central Texas, Jon Hayes**
- 2:30: Conservation Planning Atlas: a tool for landscape conservation design, Blair E. Tirpak**
- 2:45: Using effective mesh size to calculate terrestrial fragmentation in Texas, Blair E. Tirpak**
- 3:00: Break–30 MINUTES**

**SESSION 2A: ECOLOGY AND MANAGEMENT OF NONGAME BIRDS
HARBORVIEW A**

MODERATOR: FRED BRYANT

- 3:30: Migratory connectivity of Texas and continent-wide purple martin populations, James D. Ray**
- 3:45: Regional variation in nest site selection by golden cheeked-warblers, Melanie R. Colón**
- 4:00: Grassland songbird and pollinator response to large-scale native-grassland restoration, Anthony K. Henahan**
- 4:15: Habitat associations of black-shouldered kites in agroecosystems of Swaziland, Kate Howard**

- 4:30: Survival and the effects of capture on crested guineafowl at Mbuluzi Game Reserve, Lubombo, Swaziland, Chelsea C. Taylor**
- 4:45: Bird diversity, vegetation coverage, and house prices in Lubbock, Texas, Katherine P. Leuenberger**

**SESSION 2B: ECOLOGY AND MANAGEMENT OF UNGULATES
Harborview E**

MODERATOR: ANNALIESE SCOGGIN

- 3:30: Dietary energy influences in growth and development of white-tailed deer, Ryan L. Reitz**
- 3:45: Aldo Leopold's cow: can cattle be used as a habitat management tool for white-tailed deer habitat in South Texas, Stacy L. Hines**
- 4:00: White-tailed deer ear tag retention, Emily Belser**
- 4:15: Effects of white-tailed deer densities and supplemental feeding on woody shrub canopy cover and volume, Lindsey M. Phillips**
- 4:30: Ecology of adult female Rocky Mountain mule deer following habitat enhancements in north-central New Mexico, Grant E. Sorensen**
- 4:45: Prediction of pronghorn stress during translocation, Ryan O'Shaughnessy**

**SESSION 2C: ECOLOGY AND MANAGEMENT OF MAMMALS
HARBORVIEW C**

MODERATOR: RANDY W. DEYOUNG

- 3:30: Assessing biodiversity of small mammals, ticks, and tick-borne pathogens in South Texas, Aleyda P. Galán**
- 3:45: Small mammal response to wildfire on the Marfa Grasslands, Texas, Robert A. Allcorn**
- 4:00: Using camera traps to investigate mammal communities at Independence Creek Preserve, Mark J. Cancellare**
- 4:15: Molecular gender identification and landscape effects of gene flow of porcupines in the Texas Panhandle, Erica D. Thomas**
- 4:30: Linking population estimates with landscape factors: assessing density of large mammals in a spatial context, Andrew N. Tri**

4:45: Rio Grande beaver survey in Big Bend National Park,
Howland J. Reich

SESSION 2D: ECOLOGY AND MANAGEMENT OF QUAIL
ROOM 226

MODERATOR: STEPHEN J. DEMASO

- 3:30: Reducing fire ants to increase northern bobwhite abundance,** James W. Caldwell
- 3:45: Evaluation of a GPS backpack transmitter for quail research in north central Texas,** Dean Marquardt
- 4:00: Rotational cattle grazing effects on northern bobwhite population dynamics,** Shannon Cain
- 4:15: Habitat utilization and weather effects on scaled quail before and during the nesting season in the Trans-Pecos, Texas,** Ernesto Garcia-Ortega
- 4:30: Probability of bobwhite habitat use in response to operative temperature and soil surface temperature,** Monika L. Burchette
- 4:45: Weather, temperature, and realized niche space for northern bobwhites at the western periphery of their range,** John M. Tomeček

SESSION 2E: ENDANGERED SPECIES RESEARCH
ROOM 227

MODERATOR: MICHAEL E. MORROW

- 3:30: Indirect effects of red imported fire ants on Attwater's prairie-chicken brood survival,** Rebecca E. Chester
- 3:45: Comparison study of stable isotope values in museum and contemporary feathers from the endangered Attwater's prairie chicken,** Zaria Torres
- 4:00: Post-fledging habitat use of black-capped vireos,** Marisa T. Martinez
- 4:15: Listing decisions under the Endangered Species Act: science, salience, and special interests,** Kathryn N. Smith-Hicks
- 4:30: The influence of temperature on black-capped vireo habitat use and nest site selection,** Ronnisha S. Holden

4:45: Habitat suitability model for eastern Bell's vireo in northeast Texas, Amanda Turley

Saturday, 21 February 2015

**SESSION 3A: ECOLOGY AND MANAGEMENT OF MAMMALS
HARBORVIEW A**

MODERATOR: DENISE HARMEL-GARZA

- 8:00: Seasonal diets of sable antelope at Mason Mountain Wildlife Management Area, Amanda C. Hargrave**
8:15: Home range estimates of Roosevelt elk in Redwood National Park, California, Nicholas R. Kolbe
8:30: Birth mass scaling in elk, Gayatri Bhaskar
8:45: Where the pronghorn play: pronghorn habitat suitability and connectivity in the Texas Panhandle, Nathan P. Duncan
9:00: Movements of translocated pronghorn in Trans-Pecos, Texas, Taylor O. Garrison
9:15: Survival of translocated pronghorn in Trans-Pecos, Texas, Taylor O. Garrison
9:30: Break–30 MINUTES

**Session 3B: ECOLOGY AND MANAGEMENT OF WILDLIFE
HARBORVIEW C**

MODERATOR: LINDA CAMPBELL

- 8:00: Maximum entropy habitat suitability model for conservation management of the Texas tortoise, defining its status in the Coastal Prairies and eastern range, Anjana Parandhaman**
8:15: Does microclimate explain regional variation in lesser prairie-chicken nest survival?, Alixandra J. Godar
8:30: A range-wide assessment on the influence of weather on lesser prairie-chicken demographic parameters, Cody P. Griffin
8:45: Micro-siting method for oil and gas development within northeastern Texas Panhandle populations of lesser prairie-chicken, Amanda Miller
9:00: Parasitological survey of scaled quail from west Texas, Kelsey A. Bedford

9:15: Seasonal diets of the collared peccary in the Llano Uplift Ecological Region, Texas, Meredith Hominick

9:30: Break–30 MINUTES

**Session 3C: ECOLOGY AND CONSERVATION OF BIRDS
ROOM 226**

MODERATOR: JARED TIMMONS

8:00: (Un) natural history: what genetics is not telling us about northern bobwhites, Jeffrey G. Whitt

8:15: Breeding bird community and habitat associations in bottomland hardwood forests of east Texas, Meredith P. Wilson

8:30: Daily temporal variation in white-tipped dove calling activity, Cullom S. Simpson

8:45: Transmitter influences on raptor agility and prey capture, Rebecca Perkins

9:00: Predicting songbird abundance and habitat use using a fire severity index, Kristin P. Davis

9:15: Effects of landscape characteristics on nesting ecology of cavity-nesting birds, Sara E. Harrod

9:30: Break–30 MINUTES

**SESSION 3D: VEGETATION RESEARCH AND MANAGEMENT
HARBORVIEW E**

MODERATOR: JIM MUELLER

8:00: Effects of non-native invasive grasses on the native seed bank in South Texas, Matthew N. Wojda

8:15: Seasonal herbaceous biomass and nutrient value at Fossil Rim Wildlife Center, Texas, Drew A. White

8:30: Improving establishment of mast-producing species in the Texas Blackland Prairie, Luke Oliver

8:45: Slender rush-pea morphology and community responses to competition removal, Ashley C. McCloughan

9:00: Influences of vegetation type on grassland nest predators, Helen T. Davis

9:15: Invertebrate and seed bank potential of moist soil management units in west Texas and the Lower Rio Grande Valley, Ryan S. Anthony

9:30 BREAK–30 MINUTES

**Session 3E: MANAGEMENT OF WATER RESOURCES
ROOM 227**

MODERATOR: HEATHER A. MATHEWSON

- 8:00: Vegetation classification with unmanned aerial system to support management and constructed wetland, Kristina M. Tolman**
- 8:15: Human dimensions of urban water body usage in Lubbock, Texas, K. J. Young**
- 8:30: Evaluation of a low-cost unmanned aerial system to support management and conservation efforts of Texas coastal resources, Kristy A. Kollaus**
- 8:45: Utilizing hunter harvest for disease surveillance, John T. Stone**
- 9:00: JGTCLI Early Career Professional Development case study: assessment of the Carrizo Wilcox aquifer and recommendations for sustainable ground water management, Jamie L. Killian**
- 9:15: Groundwater conservation education in the Carrizo-Wilcox: public benefits of rural working lands, Mike Marshall**
- 9:30: Break–30 MINUTES**

**Session 4A: ECOLOGY AND MANAGEMENT OF MAMMALS
HARBORVIEW A**

MODERATOR: JOHN SILOVSKY

- 10:00: Preliminary survey results and distance analysis from pronghorn antelope aerial surveys in Texas, Caroline L. Ward**
- 10:15: Environmental contamination of *Baylisacaris procyonis* eggs by infected raccoons, Jacob L. Ogdee**
- 10:30: Ecological preferences of dama gazelle bucks in west Texas, Elizabeth Cary Mungall**
- 10:45: Mesocarnivore density, occurrence, and detectability in a small, southeastern urban area, Jason V. Lombardi**
- 11:00: Are antler restriction regulations influencing age and antler characteristics in the Pineywoods?, Daniel Price**

**SESSION 4B: ECOLOGY AND CONSERVATION OF BIRDS
HARBORVIEW C**

MODERATOR: JUSTIN WIED

- 10:00: Snowy plover exposure to metals in sediment and water from saline lakes of the southern Great Plains, Hannah M. Ashbaugh**
- 10:15: Nesting behavior of the reddish egret on Green Island, Texas, R. D. Bracken**
- 10:30: Forecasting recovery opportunities for the red-cockaded woodpecker using a spatial model of tree age, Amanda Dube**
- 10:45: Applying the integrated waterbird management initiative to national wildlife refuges in Texas, New Mexico, and Oklahoma, Kristen Linner**
- 11:00: Identification of migratory paths and new breeding grounds of greater sandhill cranes in the Lower Colorado River Valley, Courtenay M. Conring**
- 11:15: Modeling wind turbine collision risk for migrating Swainson's hawks at an international scale, Laurie Groen**

**SESSION 4C: ECOLOGY AND MANAGEMENT OF GAME BIRDS
ROOM 226**

MODERATOR: BART BALLARD

- 10:00: Habitat, climate, and raptors as factors in the northern bobwhite decline, John T. Edwards**
- 10:15: Using GIS to develop priority areas for the restoration of eastern wild turkeys in Texas, Jason A. Estrella**
- 10:30: Habitat selection, incubation, and incubation recess ranges of nesting female Rio Grande wild turkeys in Texas, Mason D. Conley**
- 10:45: Pre-nesting movements of Rio Grande wild turkey in the Cross Timbers and Prairies, Texas, Mason D. Conley**
- 11:00: Survival and reproduction of translocated wild bobwhites into the Rolling Plains of Texas, Michelle C. Downey**

**SESSION 4D: RESEARCH AND MANAGEMENT
ROOM 227**

MODERATOR: THOMAS R. SIMPSON

- 10:00: Thermal environment and exotic grasses influence habitat selection by scaled quail in South Texas, Holley Kline**
- 10:15: Dietary analysis of overwintering populations of Brazilian free-tailed bats in central Texas, United States, Lynsey M. Ramirez**
- 10:30: Bat occupancy in bottomland hardwood forests managed for wildlife in the Mississippi Alluvial Valley, Lorraine P. Ketzler**
- 10:45: Modeling bat occupancy and abundance in a bottomland hardwood forest of east Texas, Carla J. Weinkauff**
- 11:00: Association of small mammal communities and urban land cover in San Marcos, Texas, Lauren Cody**

**SESSION 4E: ECOLOGY AND MANAGEMENT
HARBORVIEW E**

MODERATOR: GENE T. MILLER

- 10:00: Analysis of motion-captured pictures located on man-made water sources in the southern High Plains of west Texas, Trevor Gicklhorn**
- 10:15: Smart-phones lead to smart zoo patrons, Marybeth Green**
- 10:30: Agricultural conservation easements: a tool for preventing loss of open space and associated wildlife habitat on private lands, Kenneth A. Cearley**
- 10:45: Aflatoxin: a needle in a haystack, Brent C. Newman**
- 11:00: The Texas Chapter of The Wildlife Society's Wildlife Conservation Camp, a look at long-term effects, Kelsey Griffin**
- 11:15: The consultant's role in wildlife protection, Vanessa Pina**

**POSTER SESSION
THURSDAY, 19 FEBRUARY 2015: 4:00-6:00 P.M.**

HENRY GARRETT PRE-FUNCTION SPACE
CONTACTS: WHITNEY GANN & HEATHER MATHEWSON

1. ***Are mint-scented trash bags a “waste”, Justin Plata**
2. ***A preliminary evaluation of aging criteria for Montezuma quail from hunter bags in Arizona, C. Zachary Johnson**
3. ***Spring and summer diet of Rio Grande wild turkey in the northern Rolling Plains, Bradley W. Kubecka**
4. ***Pelage growth rates in white-tailed deer in southern Texas, Ramon Saenz**
5. ***Feed site visitation of female deer during and post pregnancy, Ty E. Higginbotham**
6. ***Obtaining white-tailed deer forage diet using video collars, Landen R. Gulick**
7. ***Germination and decay rates of figs seeds selected by Wahlburg’s epauletted fruit bats, Cody J. Vavra**
8. ***Using mobile and wireless technology to remotely monitor male white, Darrion Crowley**
9. ***Wintering grassland songbird response to ongoing native grassland restoration, Danielle E. Belleny**
10. ***Laying the foundation for stable isotope research: cattle switch tail hair growth pattern, Katelyn E. Allred**
11. ***Pronghorn fawn survival in the Trans-Pecos region of Texas, Michael McKay**
12. ***Energy requirements and diet items for American alligators in Texas, Greg Lujano**
13. *** Comparison of bottomland forest along the Texas Colorado River to Cross Timbers and Edwards Plateau bottomland forests, Keagan Lowey**
14. ***Physiologically relevant assays of dietary energy on white-tailed deer, Lauren D. Balderas**
15. ***Modeling probability of occurrence for feral swine, Jesse C. Alegria**
16. ****Impacts of Eagle Ford shale exploration on quail habitat use and abundance, Kelsey R. Davis**
17. ****Habitat stratification of barn swallows, cave swallows, and cliff swallows nesting on highway structures in northeast Texas, Ashleigh P. Tynes**

18. ****Testing ontogenetic variation in the relationship between cranial morphology and total body length in the American alligator**, Cord B. Eversole
19. ****Temporal influences on American alligator nighttime surveys**, Cord B. Eversole
20. ****Lack of human awareness toward the emerging zoonotic parasite, *Baylisascaris procyonis***, Jacob L. Ogdee
21. ****Development and evaluation of prototype feral pig toxicants**, Grant S. Lawrence
22. ****Modeling sea level rise using a SLAMM model and its effects on colonial water-bird islands**, Corey J. Lange
23. ****Impacts of wind energy on wintering redheads along the Lower Texas Coast**, Corey J. Lange
24. ****Survival and nesting success in pen-reared and translocated northern bobwhites**, William Newman
25. ****Overwinter space use of greater sandhill cranes in the Lower Colorado River Valley**, Courtenay M. Conring
26. ****The effects of habitat and lure on bobcat detection**, G. Wesley Watts, III
27. ****Abundance and land cover associations of migrant and wintering birds of prey in the southern Great Plains**, Natasia Mitchell
28. ****The effects of vegetation and elevation on mountain lion hunting behavior in western Colorado**, Kendall J. AuBuchon
29. ****Estimating energetic carrying capacity for nonbreeding waterfowl on ranching stock ponds in the Rolling Plains, Texas**, Lisa A. Clark
30. ****Identifying habitat features supporting eastern wild turkey populations in Texas**, Kyle T. Hand
31. ****Primary feather molt in incubating snowy plovers in the southern High Plains**, Laura E. Duffie
32. ****Vaginal implant transmitters as a tool to capture pronghorn fawns**, Emily R. Conant
33. ****Activity patterns of black bears and other mammals in the Chisos Mountains of Big Bend National Park, Texas**, Skyler Stevens
34. ****Things are looking up for rangeland birds in South Texas**, Maia L. Lipschutz

35. ****Movements of satellite GPS collared pronghorn in the Texas Panhandle in relation to barriers and agriculture**, Caroline L. Ward
36. ****Evaluation of an avian radar system to differentiate bird targets**, Taylor J. Yerrick
37. ****New capture technique for northern bobwhite and scaled quail**, Byron R. Buckley
38. ****The large ungulate dinner table: who's competing with whom for forages in South Texas?**, Stacy L. Hines
39. ****An analysis of bobwhite home range size in response to large scale restoration efforts**, Monika L. Burchette
40. ****The influence of camera-trap settings on capture success in desert wildlife species**, Dakota P. Neel
41. ****Habitat characteristics associated with wild turkey use of constructed roosts in South Texas**, Brandon Mitchell
42. ****Spatial analysis of constructed Rio Grande wild turkey roost sites relative to food and water sources**, Shannon M. Hall
43. **Effects of broadcasting supplemental feed to northern bobwhites on survival and population growth in the southern Rolling Plains, west Texas**, John W. McLaughlin
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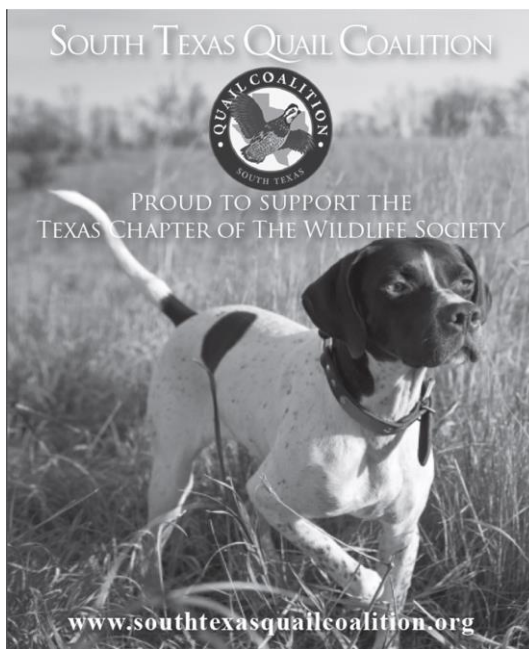
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The mission statement of Quail Coalition is "to sustain and restore huntable wild quail populations, to encourage and educate interested youth, and to celebrate our quail hunting heritage in this region". Quail Coalition works toward this mission by minimizing overhead, and targeting approximately \$1 million annually towards quail research and conservation. The Rolling Plains Quail Research Ranch, Caesar Kleberg Wildlife Research Institute, The Quail-Tech Alliance, and The Wildlife Habitat Federation count themselves among the beneficiary groups working to solve the puzzling decline of the bobwhite quail in our region.

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