

Joint Quail Conference Partners:

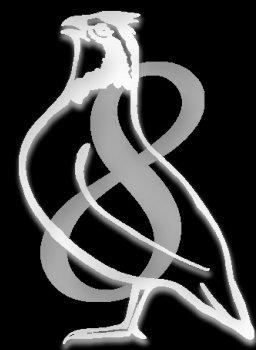


*Joint Quail
Conference*

*23rd Annual National Bobwhite Technical Committee Meeting
Eighth National Quail Symposium*



July 25-28, 2017 | Knoxville, TN



The Joint Quail Conference Is Proudly Hosted By:



Welcome to the Joint Quail Conference of the 23rd Annual Meeting of the National Bobwhite Technical Committee (NBTC) and the Eighth National Quail Symposium.

The week begins with the 23rd Annual Meeting of NBTC July 25-26 and continues as Quail 8 July 26-28.

National Bobwhite Technical Committee

NBTC is comprised of 100+ wildlife professionals from state and federal agencies, universities, and private organizations. The primary mission of the NBTC is to provide leadership and technical guidance for the National Bobwhite Conservation Initiative. The group was formed in 1995 for the purpose of:

- Identifying factors responsible for population declines of bobwhites and other associated early successional wildlife species.
- Identifying gaps in knowledge about the bobwhite population dynamics and ecology.
- Developing and implementing solutions to habitat and population management problems.
- Providing sound scientifically based information to stakeholders, administrators, and policy makers.
- Developing and implementing solutions to specific bobwhite population, habitat and management problems.
- Perpetuating the tradition of the sport of wild bobwhite quail hunting.

National Quail Symposium

This is the eighth in the series of Northern Bobwhite symposia dating back to 1972, and since Quail 3 in 1992, western quail have been included. Beginning with Quail 7, the symposia series has been led by NBCI and NBTC.

Quail 8 will feature 94 presentations and posters on current quail management and research, including updates and progress of the National Bobwhite Conservation Initiative and The Western Quail Plan.

Monday, July 24	
7:00 PM	NBTC State Quail Coordinators Meeting

Tuesday, July 25	
8:00 AM	NBTC Steering Committee Meeting
12:00 PM	NBTC Steering Committee Lunch (<i>Steering Committee members only</i>)
1:00 PM	NBTC General Meeting
2:00 PM	NBTC Subcommittee Meetings, concurrent
6:30 PM	NBTC Reception

Wednesday, July 26	
8:00 AM	NBTC Subcommittee Meetings, concurrent
12:30 PM	NBTC Awards Luncheon (<i>provided</i>)
2:30 PM	NBTC Subcommittee Reports and Business Meeting
6:30 PM	NBTC/Quail 8 Reception and Poster Session

Thursday, July 27	
8:00 AM	Quail 8 Welcome
9:00 AM	Quail 8 Plenary Session
10:00 AM	Break
10:30 AM	Quail 8 Plenary Session
12:00 PM	Lunch (<i>provided</i>)
1:00 PM	Quail 8 Plenary Session
3:00 PM	Break
3:30 PM	Quail 8 Concurrent Sessions
6:30 PM	Quail 8 Reception

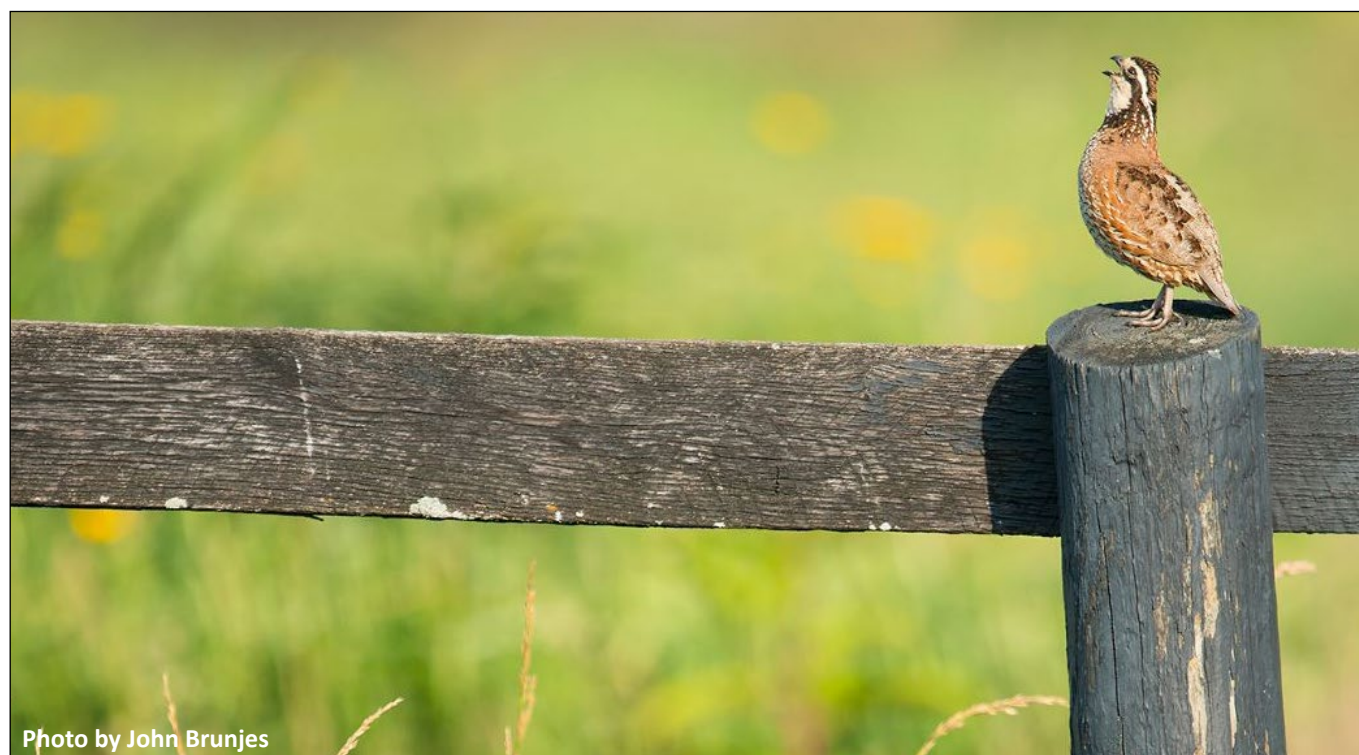
Friday, July 28	
8:00 AM	Quail 8 Concurrent Sessions
10:00 AM	Break
10:30 AM	Quail 8 Concurrent Sessions
11:50 AM	Quail 8 Awards Luncheon (<i>provided</i>)
2:00 PM	Quail 8 Concurrent Sessions
3:00 PM	Break
3:15 PM	Quail 8 Closing Remarks

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Monday, July 24	
7:00 PM	NBTC State Quail Coordinators Meeting <i>Cumberland Room</i>

Tuesday, July 25	
8:00 AM	NBTC Steering Committee Meeting <i>Windows on the Park, Private Dining Room</i>
12:00 PM	NBTC Steering Committee Lunch (<i>Steering Committee members only</i>) <i>Windows on the Park, Lounge</i>
1:00 PM	NBTC Meeting <i>Medallion Room</i> <i>Moderator: Roger Applegate, Housekeeping and Speaker Introductions</i> <ul style="list-style-type: none"> • Mark Gudlin, <i>Tennessee Wildlife Resources Agency, Chief of Wildlife & Forestry</i> • Dr. Keith Belli, <i>University of Tennessee, Forestry, Wildlife and Fisheries Department Head</i> • Don McKenzie, <i>National Bobwhite Conservation Initiative, Director</i> • Jordan Spaak, <i>National Park Service, Biological Resources Division Ecologist</i>
2:00 PM	NBTC Subcommittee Meetings <i>Room assignments will be posted at registration</i>
6:30 PM	NBTC Reception <i>Parkview Atrium</i>

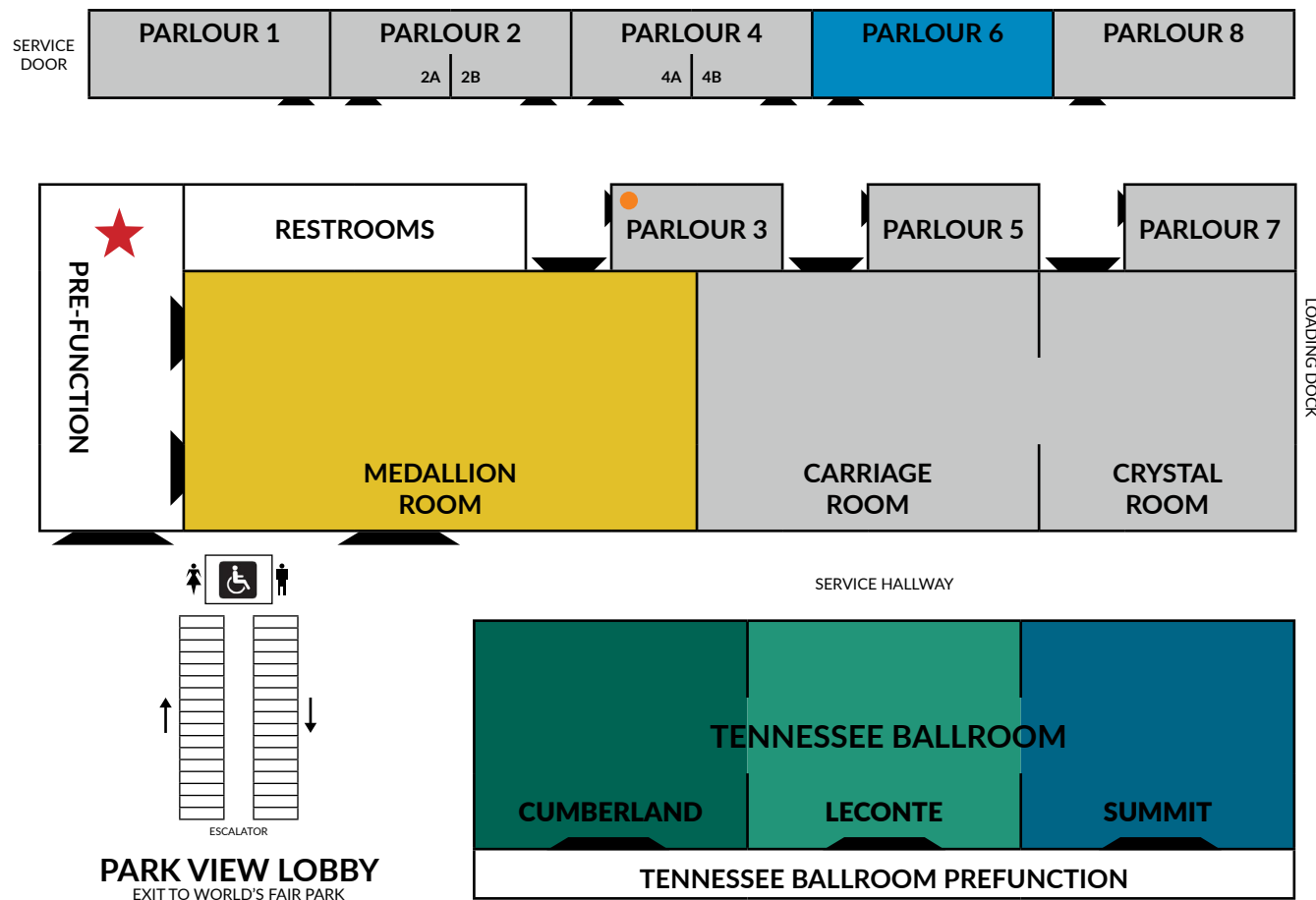
Wednesday, July 26	
8:00 AM	NBTC Subcommittee Meetings <i>Room assignments will be posted at registration</i>
12:30 PM	NBTC Awards Luncheon <i>Carriage/Crystal Room</i> <i>Moderator: NBTC Steering Committee</i>
2:30 PM	NBTC Subcommittee Reports and Business Meeting <i>Medallion Room</i>
6:30 PM	NBTC/Quail 8 Reception and Poster Session <i>Sunisphere</i>



SUNSPHERE Poster Session Social (6:30 PM - 10:00 PM)	
	Evaluation of Land Restoration Practices on Northern Bobwhite Productivity in North-Central Texas: Preliminary Results — Danielle Belleny
	Summer Survival of Translocated Northern Bobwhite in the New Jersey Pine Barrens: Preliminary Results — Phillip Coppola
	A Method for Setting Northern Bobwhite Population and Habitat Objectives for Large Landscape Partnerships — Stephen J. DeMaso
	Landscape-Scale Geospatial Assessment of Open Pine and Natural Grassland Condition for Northern Bobwhite in the Gulf Coastal Plains and Ozarks — Kristine Evans
	Utility of Fine Resolution Land Cover Data for Modeling Northern Bobwhite Abundance in the Oaks and Prairies of Oklahoma — James Giocomo
	Data-Driven Planning for the Conservation of Grassland Birds in the Central Hardwoods Bird Conservation Region — Larry Heggemann
	Evaluating Temporal Differences in Land Cover: Implications for Managing Bobwhite at the Landscape-Scale in Virginia — Marc Puckett
	An Analysis of the Interactions between Weather and Land Use on Midwestern Gamebird Populations Using Historical Data — Amanda R. Lipinski
	Response of Grassland Birds to Varying Agricultural Effort at Different Spatial Scales in 20 Texas Counties from 2013 to 2016 — Anna Matthews
	Impacts of Habitat Fragmentation on Northern Bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative — Katherine S. Miller
	Partnering for Quail in South Carolina: A Cooperative Approach Making a Difference — Jordan S. Nanney
	Connecting Land Ethics and Entrepreneurship Through Experiential Learning in a Quail-Centric Outdoor Education Program — Kelly S. Reyna
	Influence of Northern Bobwhite Nest Site Selection on Nest Survival in an Agricultural Landscape — Andy D. Richardson
	Effects of Growing Season Fire on Northern Bobwhite Nest Site Selection and Survival — Sarah B. Rosche
	Effects of Source Population and Release Strategy on Survival and Dispersal of Translocated Scaled Quail in the Rolling Plains of Texas — Rebekah E. Ruzicka
	Triple Brood Production by Northern Bobwhites — D. Clay Sisson
	Distance Sampling to Assess Post-grazing Northern Bobwhite Recovery in South Texas — Rachel A. Smith
	Winter Survival and Habitat Selection of Translocated Northern Bobwhite in the New Jersey Pine Barrens and Eastern Shore of Maryland — Kaili R. Stevens
	How Many Are There? Estimating the North American Northern Bobwhite Population Size for Conservation Planning Purposes — William Vermillion
	Automated Identification and Mapping of Woody Habitat Using Digital Ortho Imagery — M. Keith Wethington

Holiday Inn Floor Plan

WINDOWS ON THE PARK PAVILION



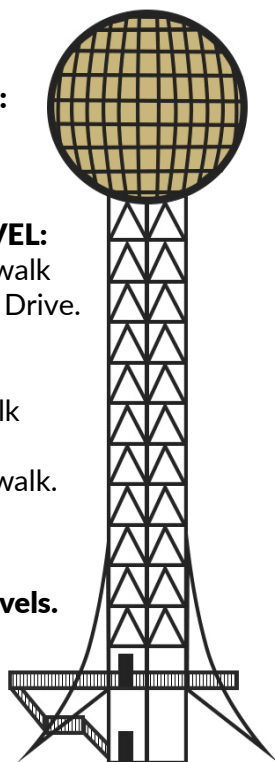
PARK VIEW LOBBY
EXIT TO WORLD'S FAIR PARK

TO THE SUNSPHERE:

FROM CONFERENCE LEVEL:
Exit Park View Lobby and walk left along Worlds Fair Park Drive.

FROM LOBBY LEVEL:
Exit main entrance and walk right. Turn right on Clinch Avenue and cross at crosswalk.

Elevator access on both levels.



★ = REGISTRATION

Conference registration is located in the pre-function hallway outside the Medallion Room. The registration desk will open Tuesday at 8:00 AM.

● = SPEAKER PREP

Parlour 3 will be available Wednesday - Friday for speakers to practice their presentations.

MEDALLION ROOM	
<i>Moderators: Roger D. Applegate, Beth A. Emmerich, and Kelly S. Reyna</i>	
8:00 AM	Welcome <i>Ed Carter</i>
9:00 AM	Progress of the National Bobwhite Conservation Initiative <i>Donald F. McKenzie</i>
9:30 AM	Update on Western Quail Management Plan <i>Casey J. Cardinal</i>
10:00 AM	BREAK
10:30 AM	Monitoring Northern Bobwhite Populations Reduces Uncertainty About Management Effectiveness: A Paradigm of Empiricism and Hope <i>James A. Martin</i>
11:00 AM	A Focused Habitat Approach to Northern Bobwhite Restoration in Kentucky <i>John J. Morgan</i>
11:30 AM	Fall Quail Densities on Public Land in Missouri: A Decade of Monitoring <i>Beth A. Emmerich</i>
12:00 PM	LUNCH
1:00 PM	Effects of Broad-Scale Conservation on Northern Bobwhite Populations in Agricultural Landscapes <i>John M. Yeiser</i>
1:30 PM	Response of Northern Bobwhites to Habitat Improvement on Private Lands in the Rolling Plains of Texas <i>C. Brad Dabbert</i>
2:00 PM	Population Response of Three Quail Species to Habitat Restoration in South Texas <i>Eric D. Grahmann</i>
2:30 PM	Translocation as a Population Restoration Technique for Northern Bobwhites: A Review and Synthesis <i>James A. Martin</i>
3:00 PM	BREAK

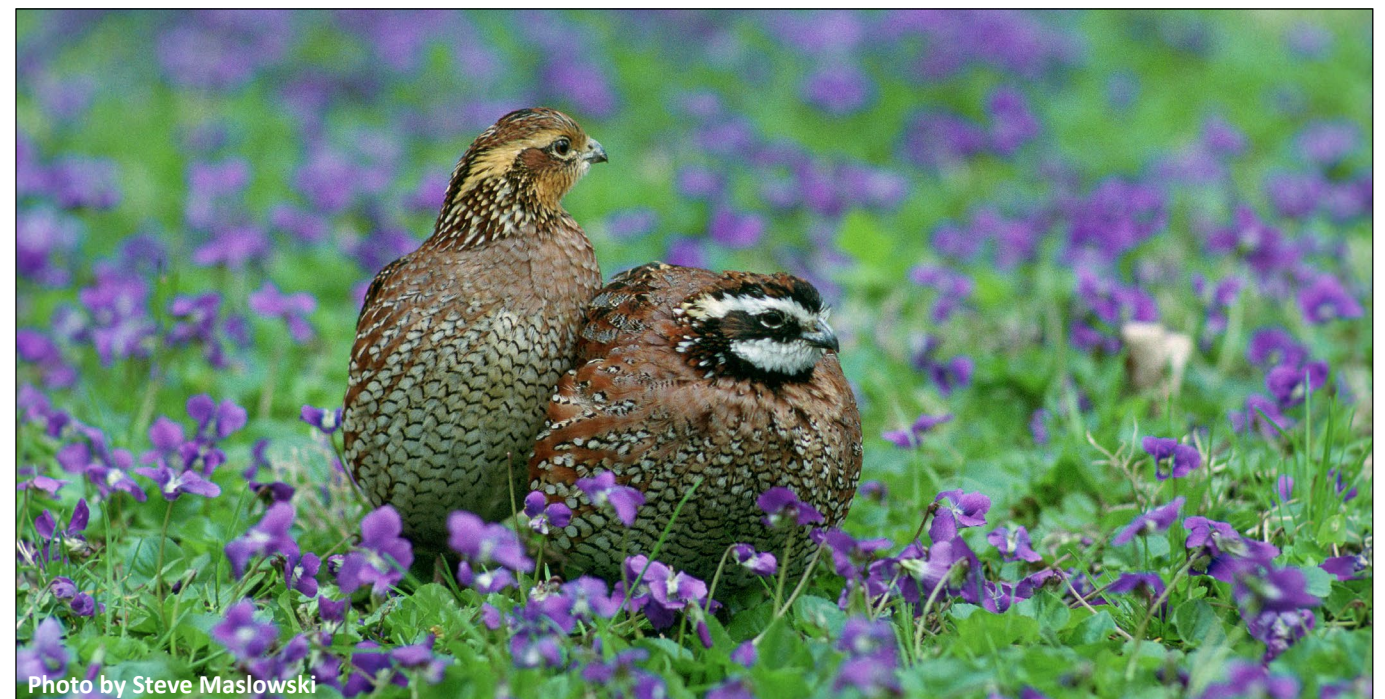


Photo by Steve Maslowski

THURSDAY, JULY 27, 2017



Photo by Ben Robinson

	CUMBERLAND ROOM Bobwhite Seasonal Climate <i>Moderator: Jeff Lusk</i>	LECONTE ROOM Bobwhite Ecology <i>Moderator: Philip Coppola</i>	SUMMIT ROOM Bobwhite Restoration - Approaches and Theories <i>Moderator: Jeffrey G. Whitt</i>
3:30 PM	Effect of Temperature and Wind on Metabolism of Northern Bobwhite in Winter <i>L. Wes Burger, Jr.</i>	Comparing the Accuracy of Egg Candling and Egg Flootation to Estimate the Hatching Date of Northern Bobwhite Clutches <i>Byron R. Buckley</i>	The Role of Joint Ventures in Northern Bobwhite Conservation <i>Stephen J. DeMaso</i>
3:50 PM	Temporal and Spatial Assessment of Usable Space and Cover Type Interspersion for Northern Bobwhites on Private Farmlands in Southwestern Ohio <i>Robert J. Gates</i>	Genetic Diversity and Relatedness of Northern Bobwhite Coveys in South Texas <i>Katherine S. Miller</i>	Horizontal Integration of Strategic Habitat Conservation for Declining Grassland Wildlife Population in the Oaks and Prairies Joint Venture <i>James Giocomo</i>
4:10 PM	Breeding Season Microclimate Assessment for Northern Bobwhite in Areas of Experimental Habitat Manipulation on a Reclaimed Surface Mine Site <i>Donald M. Yow</i>	Breeding Season Survival and Nesting of Northern Bobwhite on Native Prairie Versus Traditionally Managed Conservation Areas in Southwestern Missouri <i>Thomas R. Thompson</i>	Long-Term Population Stability in the Greater Red Hills Region Amidst Range-Wide Declines: A Case for Integrated Management <i>Theron M. Terhune, II</i>
4:30 PM	Do Movement Patterns and Habitat Use Differ Between Optimal and Suboptimal Sized Northern Bobwhite Coveys? <i>Christopher K. Williams</i>	Using First Passage Time Analysis to Identify Foraging Patterns of the Northern Bobwhite <i>Diana J. McGrath</i>	Molecular Genetics of New World Quails: Messages for Managers <i>Damon Williford</i>
6:30 PM	RECEPTION		

**UNIVERSITY OF TENNESSEE
College of Veterinary Medicine**

	Quail Eyeworm Workshop 6:30-9:30 PM University of Tennessee, College of Veterinary Medicine 25 person limit, check Registration Desk for availability.	This workshop, provided by Dr. Dale Rollins of Texas A&M University, is an opportunity to learn how to locate and remove eyeworms from the eyes of quail. The workshop will be held at the University of Tennessee College of Veterinary Medicine (UT-CVM) and will last approximately three hours. Dr. Alison Watson, UT-CVM, will supervise laboratory work. Transportation will be arranged from the Holiday Inn to UT-CVM and back, and all necessary supplies and equipment will be provided.
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NBCI and the University of Tennessee Libraries are proud to announce the publication of a new e-journal, NBCI National Quail Symposium Proceedings (NQSP).

The e-journal includes proceedings of the First and Second National Bobwhite Quail Symposia, and Quail III, IV, V, VI and VII. Quail 8 will be published in the fall. NBCI NQSP is part of the Digital Commons Network™ (bepress™), and is hosted by University of Tennessee Libraries.


To access the e-journal, visit:
www.trace.tennessee.edu/nqsp/

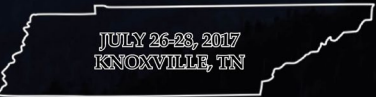


	CUMBERLAND ROOM Bobwhite Population Estimation and Ecology	LeCONTE ROOM Bobwhite Hunting	SUMMIT ROOM Bobwhite Restoration - Approaches, Theory, and Translocation	PARLOUR 6 Western Quail Ecology and Management
	<i>Moderator: Chuck Yoest</i>	<i>Moderator: David Hoover</i>	<i>Moderator: Craig A. Harper</i>	<i>Moderator: Katherine S. Miller</i>
8:00 AM	Statistical Population Reconstruction Using Wings from Harvested Northern Bobwhites Can Inform Management <i>Theron M. Terhune, II</i>	Factors Influencing Northern Bobwhite Hunter Success on a Public Wildlife Management Area in Kentucky <i>Jarred M. Brooke</i>	National Bobwhite Conservation Initiative Focus Area Monitoring in the 2C Focus Area, Missouri <i>Beth A. Emmerich</i>	Lessons Learned and a Five-Year Plan to Move Masked Bobwhite Conservation Forward <i>Lacrecia A. Johnson</i>
8:20 AM	Comparison of Dog Surveys and Fall Covey Surveys in Estimating Fall Population Trends of Northern Bobwhite <i>Evan P. Tanner</i>	Refining the Hunting Zone of Hunter-Covey Interface Models <i>James A. Martin</i>	Response of Northern Bobwhite to Longleaf Pine Ecosystem Enhancement Through the State Wildlife Grant Program <i>Adam B. Butler</i>	Conservation Status of the Masked Bobwhite in Sonora, Mexico <i>David Garcia-Solorzano</i>
8:40 AM	The Efficacy of GoPro Cameras to Account for Northern Bobwhites Flushed but Undetected During Aerial Surveys <i>Andrea Bruno</i>	Hunter-Covey Interactions Using Pointing Bird Dogs <i>Theron M. Terhune, II</i>	An Evaluation of Northern Bobwhite Conservation Research: A Call for Large-Scale Studies <i>Kelly S. Reyna</i>	Ranges and Movements of Montezuma Quail in Southeast Arizona <i>Pedro M. Chavarria</i>
9:00 AM	Use of Spring Whistle Counts to Predict Northern Bobwhite Relative Abundance <i>D. Clay Sisson</i>	Evaluating the Impacts of Hunting Paths on Northern Bobwhite Survival, Economic Costs, and Hunter Satisfaction <i>W. Seth Wood</i>	Uncertainty and Entanglement of Habitat Loss and Fragmentation Effects in the Management of Northern Bobwhite <i>James A. Martin</i>	Changes in Habitat Use of Montezuma Quail in Response to Tree Canopy Reduction in the Capitan Mountains of New Mexico <i>Ryan S. Luna</i>
9:20 AM	Retention and Efficacy of Citizen Scientist Volunteers of the Texas Quail Index <i>Kelly S. Reyna</i>	Evaluating Hunting Success of Pen-Reared and Wild Northern Bobwhite in a Reclaimed Kentucky Mineland <i>John M. Yeiser</i>	Detecting Northern Bobwhite Habitat in Semi-Arid Rangeland Using LANDSAT Imagery <i>Jeffrey G. Whitt</i>	Survival Demographics of Montezuma Quail in Southeast Arizona <i>Pedro M. Chavarria</i>
9:40 AM	Estimates of Northern Bobwhite Neonate Survival <i>Theron M. Terhune, II</i>	Effect of Field Trials on Northern Bobwhite Survival and Hunt Quality on Dixie Plantation <i>D. Clay Sisson</i>	The Law of Interspersion and the Principle of Edge: Old Arguments and a New Synthesis <i>Mark D. McConnell</i>	Breeding Season Space Use and Habitat Selection of Adult Female Scaled and Gambel's Quail in West Texas <i>Richard Temple</i>
10:00 AM	BREAK		BREAK	
	Bobwhite Ecology	Bobwhite Ecology	<i>Continued</i>	<i>Continued</i>
	<i>Moderator: Brian Chandler</i>	<i>Moderator: Dwayne Elmore</i>	<i>Moderator: Kelsey Biles</i>	<i>Moderator: Casey J. Cardinal</i>
10:30 AM	Landscape Features Affecting Northern Bobwhite Predator-Specific Nest Failures in the Southeastern United States <i>John P. Carroll</i>	Foraging Behavior of Northern Bobwhites in Relation to Resource Availability <i>William E. Palmer</i>	Parent-Reared Bobwhite Survival in the Texas Rolling Plains <i>Mark A. Thomas</i>	Efficacy of a Soft Release Strategy for Translocating Scaled Quail in the Rolling Plains of Texas <i>Rebekah E. Ruzicka</i>
10:50 AM	Habitat, Climate, and Raptors as Factors in the Northern Bobwhite Decline: A Multi-Scale Analysis <i>John T. Edwards</i>	Effects of Supplemental Feeding on Breeding-Season Home Ranges and Resource Selection of Northern Bobwhites <i>Shane D. Wellendorf</i>	The Effect of Age-at-Release on Survival of Bobwhite Parent-Reared Chicks <i>Kyle D. Lunsford</i>	Evaluation of Population Indices and Estimators for Scaled Quail in the Rolling Plains of Texas <i>Bradley W. Kubecka</i>
11:10 AM	Effect of Meso-Mammal Nest Predator Activity on Northern Bobwhite Nest Successes <i>Alexander L. Jackson</i>	Genetic Structure of Northern Bobwhite in the Rolling Plains <i>Peter E. Schlichting</i>	Testing Northern Bobwhite Reintroduction Techniques in the Northern Edge of Their Range <i>Christopher K. Williams</i>	Survival and Nesting Ecology of Scaled Quail in the Trans-Pecos, Texas <i>Richard Temple</i>
11:30 AM	Patch Size and Nest Density Influence Nest Survival <i>Victoria Simonsen</i>	Effects of Tanglehead Expansion on Bobwhite Habitat Use in South Texas <i>John T. Edwards</i>	Evaluating Two Trap-and-Release Methods for Bobwhites <i>Theron M. Terhune, II</i>	Population Trends and a Revised Management Plan for Quail in California <i>Katherine S. Miller</i>
11:50 AM	AWARDS LUNCHEON <i>Moderators: Beth A. Emmerich and Kelly S. Reyna, NBTC Science Subcommittee</i>		AWARDS LUNCHEON <i>Moderators: Beth A. Emmerich and Kelly S. Reyna, NBTC Science Subcommittee</i>	

	CUMBERLAND ROOM Bobwhite Ecology <i>Moderator: Wes Winton</i>	LECONTE ROOM Disease and Insecticides <i>Moderator: Marc Puckett</i>	SUMMIT ROOM Bobwhite Restoration - Translocation <i>Moderator: John P. Carroll</i>	PARLOUR 6 Bobwhite Ecology <i>Moderator: John T. Edwards</i>
2:00 PM	Northern Bobwhite Nest Site Selection in Field Borders <i>Danielle Berger</i>	Retrospective Summary of Free-Ranging, Northern Bobwhite Submissions to the Southeastern Cooperative Wildlife Disease Study (1982-2015) <i>Roger D. Applegate</i>	Contributions of Translocation to Northern Bobwhite Population Recovery <i>D. Clay Sisson</i>	Home Range and Movements of Northern Bobwhite on South Texas Rangelands <i>Katherine S. Miller</i>
2:20 PM	Use of Extinguish Plus™ to Reduce Red Imported Fire Ants and Increase Northern Bobwhite Abundance <i>Nova J. Silvy</i>	Geographic Survey of Oxyspirura Petrowi Among Northern Bobwhites in the United States <i>Bradley Kubecka</i>	Experiences in Quail Translocation in Ohio, 1978-2012 <i>Mark J. Wiley</i>	Northern Bobwhite Habitat Management: Vegetation and Arthropod Responses to Brush Reduction by Grubbing and Stacking <i>Carter G. Crouch</i>
2:40 PM	Impacts of Red Imported Fire Ants on Northern Bobwhite Nest Survival <i>Angelina M. Haines</i>	A Brief History of Insecticides and Quail <i>Amanda Gobeli</i>		Habitat Space Used by Northern Bobwhites and Texas Tortoises on South Texas Rangelands <i>Ross O. Couvillon</i>
3:00 PM	BREAK		BREAK	
	MEDALLION ROOM <i>Moderator: Tom Dailey</i>			
3:15 PM	<p style="text-align: center;">Closing Remarks: The Importance of Ecological, Landscape, and Social Context to Quail Management <i>Frank R. Thompson, III</i></p> <p>Frank R. Thompson, III, PhD, is a Research Wildlife Biologist for the U.S. Forest Service Northern Research Station in Columbia, Missouri. Dr. Thompson's research focus is on avian ecology and conservation, with an emphasis on early successional birds, forest song birds, and gamebirds. Dr. Thompson has published over 200 journal articles and co-edited books on wildlife conservation. He is an avid upland bird hunter, and he and his wife raise English Setters.</p> <div style="display: flex; justify-content: center; align-items: center;">  </div>			
4:15 PM	<p>Conference Closing <i>NBCI Staff</i></p>			

QUAIL 8: NATIONAL QUAIL SYMPOSIUM PROCEEDINGS





JULY 26-28, 2017
KNOXVILLE, TN

To purchase *National Quail Symposium Proceedings*, visit the University of Tennessee Online Marketplace at: https://secure.touchnet.com/C21610_ustores/web/index.jsp.

To locate previous symposia proceedings, select UTIA Publications > Wildlife & Fisheries from the homepage, or type "quail" in the search bar.

Quail 8 Proceedings Editors



Dr. Thomas V. Dailey
*National Bobwhite
Conservation Initiative*



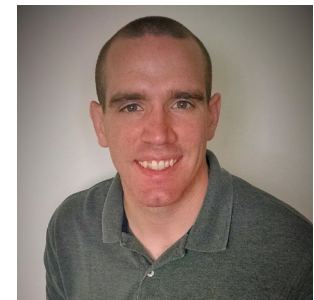
Dr. Leonard Brennan
*Caesar Kleberg Wildlife
Research Institute*



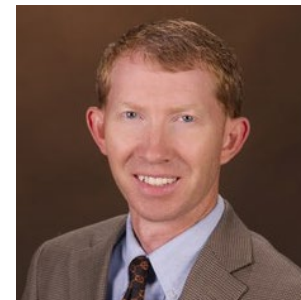
Dr. C. Brad Dabbert
Quail-Tech Alliance



Dr. Stephen J. DeMaso
Gulf Coast Joint Venture



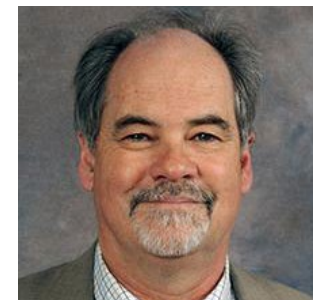
Kenneth Duren
*Pennsylvania
Department of
Conservation and
Natural Resources*



Dr. Dwayne Elmore
*Oklahoma State
University*



Dr. Joseph Fontaine
*Nebraska Cooperative
Fish & Wildlife Research
Unit, USGS, University
of Nebraska*



Dr. Robert J. Gates
Ohio State University



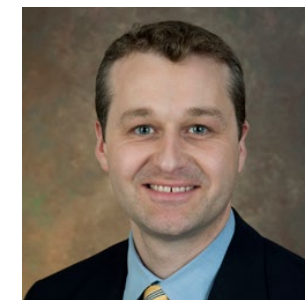
Dr. James A. Martin
University of Georgia



Dr. Mark D. McConnell
University of Georgia



Dr. Theron M. Terhune, II
*Tall Timbers Research
Station & Land
Conservancy*



Dr. Christopher K. Williams
University of Delaware



Roger D. Applegate
*Tennessee Wildlife
Resources Agency*



Kathleen Ingraham
*Allen Press,
Managing Editor*



National Bobwhite Technical Committee Steering Committee

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John Morgan
Kentucky Department of Fish and Wildlife Resources

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Texas Parks and Wildlife Department

Past Chair
Chuck Kowaleski
Texas Parks and Wildlife Department

Academic Representative
Dr. Kelly Reyna
University of North Texas

SEAFWA Representative
Ben Robinson
Kentucky Department of Fish and Wildlife Resources

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Bill White
Missouri Department of Conservation

NEAFWA Representative
Andrew Burnett
New Jersey Division of Fish and Wildlife

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Roger Applegate
Tennessee Wildlife Resources Agency

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Dr. Pat Keyser
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NBCI Representative
Don McKenzie

Game Bird NGO Representative
Donnie Buckland
National Wild Turkey Federation

Quail NGO Representative
Craig Alderman
Quail and Upland Wildlife Federation, Inc.

National Bobwhite Technical Committee, Subcommittee Chairs

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Chair: Lisa Potter
Missouri Department of Conservation

Vice Chair: Vacant

Forestry Subcommittee

Chair: Willie Simmons
South Carolina Department of Natural Resources

Vice Chair: Larry Heggemann
Central Hardwoods Joint Venture

Grazing Lands & Grasslands Subcommittee

Chair: Nick Prough
Quail and Upland Wildlife Federation

Vice Chair: Robert Perez
Texas Parks and Wildlife Department

Outreach Subcommittee

Chair: Tim Kavan
Missouri Department of Conservation

Vice Chair: David Bryan
Virginia Department of Game and Inland Fisheries

Science Subcommittee

Chair: Beth Emmerich
Missouri Department of Conservation

Vice Chair: Dr. Kelly Reyna
University of North Texas

Director
Don McKenzie

Assistant Director/Science Coordinator
Dr. Tom Dailey

Agriculture Liason
Tom Franklin

Grasslands Coordinator
Jef Hodges

Forestry Coordinator
Steve Chapman

Data Analyst
Molly Foley

Communications Director
John Doty

Accounting Specialist
Penny Barnhart

Communications Specialist
Alyssa Merka

**National
Bobwhite
Conservation
Initiative
Staff
Members**

Quail 8 | author index

CR = Cumberland Room LR = LeConte Room MR = Medallion Room P8 = Parlour 8 SR = Summit Room

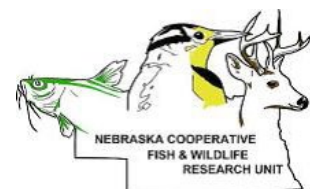
Title	Author	Day	Time	Room
Retrospective Summary of Free-Ranging, Northern Bobwhite Submissions to the Southeastern Cooperative Wildlife Disease Study (1982-2015)	Applegate, Roger D.	Fri.	2:00 PM	LR
Evaluation of Land Restoration Practices on Northern Bobwhite Productivity in North-Central Texas - Preliminary Results	Belleny, Danielle	<i>Poster Session</i>		
Northern Bobwhite Nest Site Selection in Field Borders	Berger, Danielle	Fri.	2:00 PM	CR
Factors Influencing Northern Bobwhite Hunter Success on a Public Wildlife Management Area in Kentucky	Brooke, Jarred M.	Fri.	8:00 AM	LR
The Efficacy of GoPro Cameras to Account for Northern Bobwhites Flushed but Undetected During Aerial Surveys	Bruno, Andrea	Fri.	8:40 AM	CR
Comparing the Accuracy of Egg Candling and Egg ation to Estimate the Hatching Date of Northern Bobwhite Clutches	Buckley, Byron R.	Th.	3:30 PM	LR
Effect of Temperature and Wind on Metabolism of Northern Bobwhite in Winter	Burger, Jr., L. Wes	Th.	3:30 PM	CR
Response of Northern Bobwhite to Longleaf Pine Ecosystem Enhancement Through the State Wildlife Grant Program	Butler, Adam B.	Fri.	8:20 AM	SR
Update on Western Quail Management Plan	Cardinal, Casey J.	Th.	9:30 AM	MR
Landscape Features Affecting Northern Bobwhite Predator-Specific Nest Failures in the Southeastern United States	Carroll, John P.	Fri.	10:30 AM	CR
Ranges and Movements of Montezuma Quail in Southeast Arizona	Chavarria, Pedro M.	Fri.	8:40 AM	P6
Survival Demographics of Montezuma Quail in Southeast Arizona	Chavarria, Pedro M.	Fri.	9:20 AM	P6
Summer Survival of Translocated Northern Bobwhite in the New Jersey Pine Barrens - Preliminary Results	Coppola, Phillip	<i>Poster Session</i>		
Habitat Space Used by Northern Bobwhites and Texas Tortoises on South Texas Rangelands	Couvillon, Ross O.	Fri.	2:40 PM	P6
Northern Bobwhite Habitat Management: Vegetation and Arthropod Responses to Brush Reduction by Grubbing and Stacking	Crouch, Carter G.	Fri.	2:20 PM	P6
Response of Northern Bobwhites to Habitat Improvement on Private Lands in the Rolling Plains of Texas	Dabbert, C. Brad	Th.	1:30 PM	MR
A Method for Setting Northern Bobwhite Population and Habitat Objectives for Large Landscape Partnerships	DeMaso, Stephen J.	<i>Poster Session</i>		
The Role of Joint Ventures in Northern Bobwhite Conservation	DeMaso, Stephen J.	Th.	3:30 PM	SR
Effects of Tanglehead Expansion on Bobwhite Habitat Use in South Texas	Edwards, John T.	Fri.	11:30 AM	LR
Habitat, Climate, and Raptors as Factors in the Northern Bobwhite Decline: A Multi-Scale Analysis	Edwards, John T.	Fri.	10:50 AM	CR
Fall Quail Densities on Public Land in Missouri: A Decade of Monitoring	Emmerich, Beth A.	Th.	11:30 AM	MR
National Bobwhite Conservation Initiative Focus Area Monitoring in the 2C Focus Area, Missouri	Emmerich, Beth A.	Fri.	8:00 AM	SR
Landscape-Scale Geospatial Assessment of Open Pine and Natural Grassland Condition for Northern Bobwhite in the Gulf Coastal Plains and Ozarks	Evans, Kristine	<i>Poster Session</i>		
Conservation Status of the Masked Bobwhite in Sonora, Mexico	Garcia-Solorzano, David	Fri.	8:20 AM	P6
Temporal and Spatial Assessment of Usable Space and Cover Type Interspersion for Northern Bobwhites on Private Farmlands in Southwestern Ohio	Gates, Robert J.	Th.	3:50 PM	CR

Title	Author	Day	Time	Room
Horizontal Integration of Strategic Habitat Conservation for Declining Grassland Wildlife Population in the Oaks and Prairies Joint Venture	Giocomo, James	Th.	3:50 PM	SR
Utility of Fine Resolution Land Cover Data for Modeling Northern Bobwhite Abundance in the Oaks and Prairies of Oklahoma	Giocomo, James	<i>Poster Session</i>		
A Brief History of Insecticides and Quail	Gobeli, Amanda	Fri.	2:40 PM	LR
Population Response of Three Quail Species to Habitat Restoration in South Texas	Grahmann, Eric D.	Th.	2:00 PM	MR
Impacts of Red Imported Fire Ants on Northern Bobwhite Nest Survival	Haines, Angelina M.	Fri.	2:40 PM	CR
Effect of Meso-Mammal Nest Predator Activity on Northern Bobwhite Nest Successes	Jackson, Alexander L.	Fri.	11:10 AM	CR
Lessons Learned and a Five-Year Plan to Move Masked Bobwhite Conservation Forward	Johnson, Lacreacia A.	Fri.	8:00 AM	P6
Data-Driven Planning for the Conservation of Grassland Birds in the Central Hardwoods Bird Conservation Region	Heggemann, Larry	<i>Poster Session</i>		
Evaluating Temporal Differences in Land Cover: Implications for Managing Bobwhite at the Landscape-Scale in Virginia	Puckett, Marc	<i>Poster Session</i>		
Evaluation of Population Indices and Estimators for Scaled Quail in the Rolling Plains of Texas	Kubecka, Bradley W.	Fri.	10:50 AM	P6
Geographic Survey of Oxyspirura Petrowi Among Northern Bobwhites in the United States	Kubecka, Bradley W.	Fri.	2:20 PM	LR
An Analysis of the Interactions between Weather and Land Use on Midwestern Gamebird Populations Using Historical Data	Lipinski, Amanda R.	<i>Poster Session</i>		
Changes in Habitat Use of Montezuma Quail in Response to Tree Canopy Reduction in the Capitan Mountains of New Mexico	Luna, Ryan S.	Fri.	9:00 AM	P6
The Effect of Age-at-Release on Survival of Bobwhite Parent-Reared Chicks	Lunsford, Kyle D.	Fri.	10:50 AM	SR
Monitoring Northern Bobwhite Populations Reduces Uncertainty About Management Effectiveness: A Paradigm of Empiricism and Hope	Martin, James A.	Th.	10:30 AM	MR
Refining the Hunting Zone of Hunter-Covey Interface Models	Martin, James A.	Fri.	8:20 AM	LR
Translocation as a Population Restoration Technique for Northern Bobwhites: A Review and Synthesis	Martin, James A.	Th.	2:30 PM	MR
Uncertainty and Entanglement of Habitat Loss and Fragmentation Effects in the Management of Northern Bobwhite	Martin, James A.	Fri.	9:00 AM	SR
Response of Grassland Birds to Varying Agricultural Effort at Different Spatial Scales in 20 Texas Counties from 2013 to 2016	Matthews, Anna	<i>Poster Session</i>		
The Law of Interspersion and the Principle of Edge: Old Arguments and a New Synthesis	McConnell, Mark D.	Fri.	9:40 AM	SR
Using First Passage Time Analysis to Identify Foraging Patterns of the Northern Bobwhite	McGrath, Diana J.	Th.	4:30 PM	LR
Progress of the National Bobwhite Conservation Initiative	McKenzie, Donald F.	Th.	9:00 AM	MR
Genetic Diversity and Relatedness of Northern Bobwhite Coveys in South Texas	Miller, Katherine S.	Th.	3:50 PM	LR
Home Range and Movements of Northern Bobwhite on South Texas Rangelands	Miller, Katherine S.	Fri.	2:00 PM	P6
Population Trends and a Revised Management Plan for Quail in California	Miller, Katherine S.	Fri.	11:30 AM	P6
Impacts of Habitat Fragmentation on Northern Bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative	Miller, Katherine S.	<i>Poster Session</i>		
A Focused Habitat Approach to Northern Bobwhite Restoration in Kentucky	Morgan, John J.	Th.	11:00 AM	MR

Title	Author	Day	Time	Room
Partnering for Quail in South Carolina: A Cooperative Approach Making a Difference	Nanney, Jordan S.	Poster Session		
Foraging Behavior of Northern Bobwhites in Relation to Resource Availability	Palmer, William E.	Fri.	10:30 AM	LR
An Evaluation of Northern Bobwhite Conservation Research: A Call for Large-Scale Studies	Reyna, Kelly S.	Fri.	8:40 AM	SR
Connecting Land Ethics and Entrepreneurship Through Experiential Learning in a Quail-Centric Outdoor Education Program	Reyna, Kelly S.	Poster Session		
Retention and Efficacy of Citizen Scientist Volunteers of the Texas Quail Index	Reyna, Kelly S.	Fri.	9:20 AM	CR
Influence of Northern Bobwhite Nest Site Selection on Nest Survival in an Agricultural Landscape	Richardson, Andy D.	Poster Session		
Effects of Growing Season Fire on Northern Bobwhite Nest Site Selection and Survival	Rosche, Sarah B.	Poster Session		
Efficacy of a Soft Release Strategy for Translocating Scaled Quail in the Rolling Plains of Texas	Ruzicka, Rebekah E.	Fri.	10:30 AM	P6
Effects of Source Population and Release Strategy on Survival and Dispersal of Translocated Scaled Quail in the Rolling Plains of Texas	Ruzicka, Rebekah E.	Poster Session		
Genetic Structure of Northern Bobwhite in the Rolling Plains	Schlichting, Peter E.	Fri.	11:10 AM	LR
Use of Extinguish Plus™ to Reduce Red Imported Fire Ants and Increase Northern Bobwhite Abundance	Silvy, Nova J.	Fri.	2:20 PM	CR
Patch Size and Nest Density Influence Nest Survival	Simonsen, Victoria	Fri.	11:30 AM	CR
Contributions of Translocation to Northern Bobwhite Population Recovery	Sisson, D. Clay	Fri.	2:00 PM	SR
Effect of Field Trials on Northern Bobwhite Survival and Hunt Quality on Dixie Plantation	Sisson, D. Clay	Fri.	9:40 AM	LR
Use of Spring Whistle Counts to Predict Northern Bobwhite Relative Abundance	Sisson, D. Clay	Fri.	9:00 AM	CR
Triple Brood Production by Northern Bobwhites	Sisson, D. Clay	Poster Session		
Distance Sampling to Assess Post-grazing Northern Bobwhite Recovery in South Texas	Smith, Rachel A.	Poster Session		
Winter Survival and Habitat Selection of Translocated Northern Bobwhite in the New Jersey Pine Barrens and Eastern Shore of Maryland	Stevens, Kaili R.	Poster Session		
Comparison of Dog Surveys and Fall Covey Surveys in Estimating Fall Population Trends of Northern Bobwhite	Tanner, Evan P.	Fri.	8:20 AM	CR
Breeding Season Space Use and Habitat Selection of Adult Female Scaled and Gambel's Quail in West Texas	Temple, Richard	Fri.	9:40 AM	P6
Survival and Nesting Ecology of Scaled Quail in the Trans-Pecos, Texas	Temple, Richard	Fri.	11:10 AM	P6
Estimates of Northern Bobwhite Neonate Survival	Terhune, II, Theron M.	Fri.	9:40 AM	CR
Evaluating Two Trap-and-Release Methods for Bobwhites	Terhune, II, Theron M.	Fri.	11:30 AM	SR
Hunter-Covey Interactions Using Pointing Bird Dogs	Terhune, II, Theron M.	Fri.	8:40 AM	LR
Long-Term Population Stability in the Greater Red Hills Region Amidst Range-Wide Declines: A Case for Integrated Management	Terhune, II, Theron M.	Th.	4:10 PM	SR
Statistical Population Reconstruction Using Wings from Harvested Northern Bobwhites Can Inform Management	Terhune, II, Theron M.	Fri.	8:00 AM	CR
Parent-Reared Bobwhite Survival in the Texas Rolling Plains	Thomas, Mark A.	Fri.	10:30 AM	SR
The Importance of Ecological, Landscape, and Social Context to Quail Management	Thompson, III, Frank R.	Fri.	3:15 PM	MR
Breeding Season Survival and Nesting of Northern Bobwhite on Native Prairie Versus Traditionally Managed Conservation Areas in Southwestern Missouri	Thompson, Thomas R.	Th.	4:10 PM	LR

Title	Author	Day	Time	Room
How Many Are There? Estimating the North American Northern Bobwhite Population Size for Conservation Planning Purposes	Vermillion, William	Poster Session		
Effects of Supplemental Feeding on Breeding-Season Home Ranges and Resource Selection of Northern Bobwhites	Wellendorf, Shane D.	Fri.	10:50 AM	LR
Automated Identification and Mapping of Woody Habitat Using Digital Ortho Imagery	Wethington, M. Keith	Poster Session		
Detecting Northern Bobwhite Habitat in Semi-Arid Rangeland Using LANDSAT Imagery	Whitt, Jeffrey G.	Fri.	9:20 AM	SR
Experiences in Quail Translocation in Ohio, 1978-2012	Wiley, Mark J.	Fri.	2:20 PM	SR
Do Movement Patterns and Habitat Use Differ Between Optimal and Suboptimal Sized Northern Bobwhite Coveys?	Williams, Christopher K.	Th.	4:30 PM	CR
Testing Northern Bobwhite Reintroduction Techniques in the Northern Edge of Their Range	Williams, Christopher K.	Fri.	11:10 AM	SR
Molecular Genetics of New World Quails: Messages for Managers	Williford, Damon	Th.	4:30 PM	SR
Evaluating the Impacts of Hunting Paths on Northern Bobwhite Survival, Economic Costs, and Hunter Satisfaction	Wood, W. Seth	Fri.	9:00 AM	LR
Effects of Broad-Scale Conservation on Northern Bobwhite Populations in Agricultural Landscapes	Yeiser, John M.	Th.	1:00 PM	MR
Evaluating Hunting Success of Pen-Reared and Wild Northern Bobwhite in a Reclaimed Kentucky Mineland	Yeiser, John M.	Fri.	9:20 AM	LR
Breeding Season Microclimate Assessment for Northern Bobwhite in Areas of Experimental Habitat Manipulation on a Reclaimed Surface Mine Site	Yow, Donald M.	Th.	4:10 PM	CR

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