

Wednesday, Morning Session

*indicates student presenters eligible for AOS presentation award

Room	Atwood Hall	Cook Theatre	Summit 1	Summit 2	Summit 3	Summit 4
Session	Symposium: Understanding and Addressing the Collapse of the North American Avifauna (Marra)	Symposium: Breaking Through Biases: What We've Learned From Female Birds (Odom)	Phylogenetics, Phylogeography	Songs, Vocalizations	Biogeography	Birds & Agriculture
1030	Evidence for Massive Decline in the North American Avifauna <i>Rosenberg KV, Dokter AM, Blancher PJ, Sauer JR, Smith AC, Smith PA, Stanton JC, Panjabi AO, Helft L, Parr M</i>	Extra-pair Copulations in Passerines: Why Females Matter <i>Stutchbury BJ</i>	*Evolution of Migration in the Nightingale-thrushes (Turdidae: Catharus) Inferred Via Morphometric and Phylogenetic Analysis <i>Halley MR, Klicka J, Catanach TA, Weckstein JD</i>	It's the Same Old Song: Benefits of Song Dialects in the Lapland Longspur <i>Montgomerie RD, Cox A, Mullie A</i>	Climate Delineates the Northern Range Boundary of the Northern Cardinal <i>Miller CR, Porter WP, Fitzpatrick MJ, Zuckerberg B</i>	*GPS-tracking Reveals Selection for Prairie Ponds By Tree Swallows in Cropland-Dominated Landscapes <i>Elgin AS, Morrissey CA, Clark RG</i>
1045	Decline and Survival of North America's Migratory Avifauna Determined By a Weather Radar Network <i>Dokter AM</i>	Female Bird Songs -- The Other Half of the Conversation <i>Benedict Ln, Hathcock T, Najar N, Mitchell L, Cavar J, Logue D</i>	Multiple Hybrid Zones in a Widespread Amazonian Bird Reveal Different Evolutionary Processes <i>Moncrieff AE, Brumfield RT</i>	Behavioral Landscape of 'Oma'o Vocalizations in a Naturally Fragmented Habitat <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</i>	Montane Biogeography and the Evolution of Disjunct Ranges: a Case Study in the Diglossa Flowerpiercers <i>Hiller AE, Brumfield RT, Faircloth BC</i>	*Impact of Wildfires On Barn Owl Habitat Selection in a Vineyard Agroecosystem in Napa Valley <i>Huysman AE, Johnson M</i>
1100	Grassland Bird Declines: How Can We Stop the Downward Spiral? <i>Panjabi AO, Correll M, Strasser EH, Bernath-Plaisted J, Beh A, VerCauteren TL</i>	Female Preferences Shape Elaborate Male Displays and Social Skills On the Lek <i>Patricelli GL</i>	Fine-scale Genetic Population Structure of an Understory Bird (Thamnophilus atrinucha) Across the Panama Canal Zone <i>Maddox JD, Kelley JP, Tarwater CE</i>	*Behavioral and Spectrographic Analysis of Chatter: A Novel Vocalization in Northern Mockingbirds <i>Brown BB, Stracey C</i>	Diversification and Biogeography in an Indo-Pacific Bird Radiation (Pachycephalidae) <i>Brady SS, Joseph L, Moyle RG, Andersen MJ</i>	Does a "Sonic Net" Protect Sunflower From Damage By Blackbirds? <i>Werrell AK, Klug PE, Swaddle JP</i>
1115	Volunteer-led Surveys Document 40-years of Shorebird Declines Across North America <i>Smith PA, Smith AC, Brown S, Friis C, Paquet J, Winn B, MacDonald A</i>	Habitat Saturation Drives the Frequency of a Rare Behavior in the Females of a Social Bird <i>Barve SS, Koenig WD, Haydock J, Walters EL</i>	Comparative Phylogeography of Amazonian Riverine Island Birds <i>Johnson O, Brumfield RT</i>	*Repertoire Size and Individual Variation in Vocalizations of 'Oma'o (Myadestes obscurus) an Endemic Hawaiian Thrush <i>Tysall EE, Paxton KL, Netoskie E, Paxton E, Hart PJ</i>	*Patterns and Mechanisms of Heterogeneous Breeding Distribution Shifts in North American Migratory Birds <i>McCaslin HM, Heath JA</i>	Quantifying Multiple-benefits of Bird Conservation in the Agricultural Mosaic of California's Central Valley <i>Seavy NE, Humple D</i>
1130	Conservation of Boreal Birds: Status, Trends, and Data Gaps <i>Toms JD, Solymos P, Stralberg D, Barker NK, Micheletti T, Leston L, Hache S, Cumming S, Song S, Schmiegelow F</i>	Migratory Landbird Conservation Compromised By Failure To Address Sexual Segregation <i>Bennett RE, Rodewald AD, Rosenberg KV</i>	Contrasting Drivers of Diversity and Turnover in Andean Birds and Their Parasites <i>McNew SM, Barrow LN, Bates JM, DuBay SG, Galen SC, Hackett SJ, Johnson AB, Skeen H, Valqui T, Jason WD, Williamson JL, Witt CC</i>	Deep Convolutional Neural Network To Detect Forest Owls of the Pacific Northwest <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i>	Is Specialism an Evolutionary Dead-end? Estimates of Transition Rates Between Generalism and Specialism in a New World Clade <i>Conway M, Olsen BJ</i>	Estimating the Effect of Prairie Strips On Grassland Birds <i>Giese JC, Schulte LA, Klaver RW</i>
1145	Songbirds of the Sagebrush Sea: Declines and Mechanisms <i>Chalfoun AD, Sanders L, Scherr T, Hethcoat M</i>	Elaborate Female Coloration and Song: Diverse Perspectives Lead To a More Comprehensive Understanding of Avian Biology <i>Omland KE, Rose EM, Haines CD</i>	Resolving Difficult Nodes in Manakin Phylogeny Using Low-coverage Whole Genome Sequencing <i>Braun EL, White ND, Kimball RT, Moncrieff AE, Zhao M, Kurtis SM, Brumfield RT</i>	*Sex and Species Divergence in Vocalizations Between Role-reversed Shorebirds, Jacana spinosa and Jacana jacana <i>Buck EJ, Lipshutz SE, Derryberry EP</i>	Cryptic Bird Species On a Remote Archipelago of the Pacific Ocean <i>Cibois A, Thibault J, Friedman NR, Omland KE, Desutter-Grandcolas L, Robillard T, Pasquet E</i>	Comparing Land-sparing and Land-sharing Conservation Approaches in a Coffee-growing Region With High Avian Biodiversity <i>Valente JJ, Ryder TB, Rice RA, Gómez C, Bayly NJ, Sillett TS, Marra PP</i>
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Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	Symposium: Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help Or Hurt Farmers? (Pejchar)	Life History, Behavior	Conservation	Migration & Stopover	Symposium: Social Dynamics in Interspecific Interactions (Shizuka)	Symposium: Avian Biology and the Annual Life Cycle: Shorebirds As Models To Understand Dynamic Boundaries (Gurney)
1600	<p>Predation-mediated Ecosystem Services and Disservices in Agricultural Landscapes</p> <p><i>Smith HG, Tschumi M, Birkhofer K, Ekroos J, Hjort C</i></p>	<p>*Evolution of Polygyny in Weaverbirds (family Ploceidae)</p> <p><i>De Silva TN, Fernando SW, Peterson A</i></p>	<p>*Fear of Predators Influences Nestling Condition Across a Suburbanization Gradient</p> <p><i>Grade AM, Warren PS, Lerman SB</i></p>	<p>Satellite Tracking a Wide-Åranging Endangered Vulture Species To Target Conservation Actions in the Middle East and East Africa</p> <p><i>Buechley ER, McGrady MJ, Coban E, Sekercioglu CH</i></p>	<p>Connectivity and Staging Site Pollution Effects in a Long Distance Migratory Shorebird</p> <p><i>Morrissey CA, Bianchini K, McKellar A, Newstead D</i></p>	
1615	<p>Insectivorous Birds Foraging in Temperate and Tropical Agricultural Lands</p> <p><i>Jedlicka JA</i></p>	<p>*Patterns and Causes of Tropical Montane Life Histories: an Observational and Experimental Study in Malaysian Borneo</p> <p><i>Mitchell AE, Martin TE</i></p>	<p>*Testing the Proposed IUCN Green List Categories and Criteria</p> <p><i>Gupta G, McGowan P, Dunn J, Sanderson R</i></p>	<p>Synthesis of Migration Ecology in the Gulf of Mexico Guides Species Conservation</p> <p><i>Deppe JL, Benson TJ, Bolus R, Buler J, Celis Murillo A, Diehl R, Feldman R, Knight E, Langham G, Mehlman D, Michel N, Moore F</i></p>	<p>Effects of Non-breeding Foraging On Mixed-species Flocking in Florida</p> <p><i>Jones HH, Walters MJ, Robinson SK</i></p>	<p>*Traveling As a Newbie: Migratory Strategies Linked To Survivorship in Juvenile Shorebirds in Peru</p> <p><i>Tavera EA, Lank DB, Drever MC, Gutierrez-Ruiz V</i></p>
1630	<p>Vertebrate Control From Raptors Motivates Farmers To Install Nest Boxes, but Is Secondary Poisoning a Concern?</p> <p><i>Martinico BL, Kross SM, Hull JM, Bourbour RP, Phillips EM, Hiroyasu E</i></p>	<p>*Quantifying Trade-offs in Migration and Reproduction in Long-distance Migratory Birds of Contrasting Life History</p> <p><i>Cunningham SA, Schafer TL, Wikle CK, Ballard BM, VonBank JA, Wegman MD</i></p>	<p>Saving the Red Siskin (Spinus Cucullatus): Managing New Flock Member Introductions in Captivity</p> <p><i>Hill SK</i></p>	<p>Messy Eaters: DNA On Dirty Talons and Beaks Reveal What a Migrating Raptor Eats</p> <p><i>Bourbour RP, Hull JM</i></p>	<p>Fighting Over Food Unites the Birds of North America in a Continental Dominance Hierarchy</p> <p><i>Miller ET, Bonter DN, Eldermire C, Freeman BG, Greig EI, Harmon LJ, Lisle C, Hochachka WM</i></p>	<p>Within-individual Advancement in Bar-tailed Godwit Departure From New Zealand Does Not Lead To Earlier Arrival in Alaska</p> <p><i>Conklin JR, Lisovski S, Battley PF</i></p>
1645	<p>Foraging Selectivity of Insectivorous Birds in Kenyan Shade Coffee Systems</p> <p><i>Kammerichs-Berke D, Johnson M, Bean T</i></p>	<p>Timing Is of the Essence: Later Breeding Predicts Lower Survival in American Kestrels (Falco Sparverius)</p> <p><i>Callery KR, Smallwood JA, Eschenbauch AL, Luttmann ER, Heath JA</i></p>	<p>*Conservation of Tidal Marsh Sparrows in an Urban Setting Referencing Range Wide Nesting Occurrence</p> <p><i>Kocek AR, Elphick CS, Hodgman TP, Kovach AI, Olsen BJ, Ruskin KJ, Shriver G, Cohen JB</i></p>	<p>Winter Ecology and Spring Migration Timing of Swainson’s Thrush Using Forest and Shade Coffee Plantations in Colombia</p> <p><i>Hobson KA, Gonzalez Prieto AM, McElaney S, Bayly N</i></p>	<p>Interspecific Aggression and The Evolution of Avian Mimicry in Woodpeckers</p> <p><i>Leighton GM, Miller ET, Freeman BG, Lees AC, Ligon RA</i></p>	<p>Declines in Eastern Canada Piping Plovers: Are Overwintering Grounds the Key To Conservation?</p> <p><i>Gratto-Trevor CL, Rock J, Shaffer F</i></p>
1700		<p>*Loggers in Artificial Eggs Reveal Scarlet Macaw Incubation in Natural and Artificial Nests</p> <p><i>Woodman CJ</i></p>	<p>Integrating Genetic, Population Monitoring, and Climate Data To Inform Conservation of a Declining Migratory Bird</p> <p><i>Saracco JF, Ruegg KC, Harrigan RJ, Taylor CM, Rubenstein M</i></p>	<p>Population-Level Importance and Migratory Connectivity of a Shorebird Staging Site in the Midcontinental Flyway</p> <p><i>Howell JE, McKellar AE, Espie RH, Bianchini K, Morrissey CA</i></p>	<p>Social Dominance Hierarchies Among Species and Their Consequences for Behaviour, Ecology and Evolution</p> <p><i>Martin PR</i></p>	<p>Linking Demographic Rates To Population Trends in Six Species of Arctic-breeding Shorebirds</p> <p><i>Weiser EL, Sandercock BK, Lancot RB, Brown SC, Arctic Shorebird Demographics Network NA</i></p>
1715		<p>Application of a Novel Nest Density Estimator: an Example Using Sagebrush-steppe Songbirds</p> <p><i>Reintsma KM, Berkeley LI, Dreitz VJ</i></p>	<p>Response of a Southern California Riparian Bird Community To Habitat Destruction By the Invasive Kuroshio Shot Hole Borer</p> <p><i>Kus BE</i></p>	<p>Idiosyncratic Changes in Spring Arrival Dates of Pacific Northwest Migratory Birds</p> <p><i>Robinson WD, Partipilo C, Hallman TA, Fairchild K, Fairchild J</i></p>	<p>Martin - Continued</p>	<p>Environmental Drivers of Annual Survival and Site Fidelity of Lekking Great Snipe in Norway</p> <p><i>Sandercock BK, Saether SA, Kalas JA</i></p>
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Session	Endocrinology, Physiology	Symposium: Undergrad Symposium	Disease, Ecotoxicology	Symposium: Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves)	Songs, Vocalizations	Symposium: Lessons From Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon)
1400	Chronic, Sublethal Effects of High Temperatures Will Cause Severe Declines in Arid-zone Birds During the 21st Century <i>Conradie SR, Woodborne SM, Susan CJ, McKechnie AE</i>	Use of Thermal Imaging for the Study of Seabirds in the Gulf of Alaska: Implications for Management and Conservation <i>Kidder EA, Sherwin R</i>	*Geographic Variation in Host Immunogenetics and Malarial Parasite Infection in a Catharus Thrush Species Complex <i>Starkloff NC, Sammons MA, Westerdahl H, Turner WC, Kirchman JJ</i>	How Do Individual Attributes Predict Bird Conservation Behaviors Among Birders in the United States? <i>Rich TD</i>	Partitioning of Signal Space in a Breeding Warbler Community <i>Sblendorio JM, Vonhof MJ, Gill SA</i>	Mechanisms Underlying the Maintenance of Species Boundaries: Lessons From Avian Hybrid Zones <i>Walsh JL, Aguillon SM, Clucas GV</i>
1415	*Will Low Oxygen Slow Range Shifts? Response To a Novel High Elevation Environment From Populations Across a Hummingbird Range <i>Spence AR, Tingley MW</i>	Genomics for the Management of 'AlalÅA (Corvus Hawaiiensis) in a Conservation Breeding Program <i>Leaviitt JS, Blanchet G, Datlof E, Bellinger R, Geib S, Masuda B, Sutton J</i>	Regional Variation in the Abundance of House Finches Created the Context That Determined the Impact of an Emerging Pathogen <i>Hochachka WM, Dhondt AA</i>	Preferences of Birdwatchers and Waterfowl Hunters in the United States and Canada: Results of Discrete Choice Experiments (DCEs) <i>Fulton DC, Dietsch A, Harshaw H, Raedeke A, Dayer A, Duberstein J</i>	Examining the Effect of Helicopter Noise On Bird Assemblages in Hawai'i's Protected Natural Areas <i>Gallardo Cruz KV, Paxton KL, Hart PJ</i>	Genetic Architecture and Asymmetric Introgression of Plumage-related Reproductive Barriers in Hybridizing Birds <i>Semenov GA, Khaydarov DR, Safran RJ, Taylor SA</i>
1430	*Out in the Cold: a Novel Approach To Understanding the Physiological Drivers of Phenotypic Flexibility in Dark-eyed Juncos <i>Stager M, Senner NR, Cheviron ZA</i>	Machine Annotation of Puaiohi Calls in Environmental Acoustic Recordings <i>Weyenberg GS, Rumpungworn MD, Howells LO, Paxton KL, Crampton LH, Hart PJ</i>	Cross-ecosystem Subsidies in Acadia National Park: How Invertebrates Can Help Us Understand Mercury Exposure in Songbirds <i>Jackson AK, Frampton L, Garafalo M, Harris S, Nightingale B, Youre-Moses A</i>	Quantifying the Stability of Birds' Cultural Niches: Changing Public Perceptions of the North American Avifauna <i>Schuetz JG, Johnston A</i>	*Developmental Experience May Contribute To Adult Female Preferences for Male Mating Signals <i>Strauss AV, Podos J</i>	Using Comparative Genomics To Investigate Non-geographic Drivers of Divergence and Introgression in Panamanian Birds <i>McLaughlin JF</i>
1445	Long-term Effects of Early-life Stress On the HPA Axis in a Short- and Long-lived Bird <i>Grace JK, Anderson DJ, Angelier F</i>	A Comparison Between Traditional and Next Generation Screening Approaches To Characterize Avian Haemosporidian Parasites <i>Ray S, Henry M, Galen S, Ostrow EN, Disposto J, Kiziuk L, Weckstein JD</i>	Assessing Halogenated Marine Persistent Organic Pollutants in the Critically Endangered California Condor and Their Marine Mammal Prey <i>Stack ME, Hoh E, Dodder N, Tubbs C, Vilchis I, Felton R, Johnson J</i>	Minimizing All-Terrain Vehicle Impact in Bird Habitat: Reconciling Harvest and Conservation On Private Land in Western Alaska <i>Naneng W, Maroney RL, Naneng M, Tinker W</i>	Morphologically, Genetically and Vocally Divergent Warbling Vireo Subspecies Exhibit Indiscriminate Aggression Toward Intruders in a New Contact Zone <i>Spellman GM, Hammond A, Zhang T</i>	Differences in Introgression Across Two Hybrid Zones in the Great Plains <i>Billerman SM, Walsh J, Butcher BG, Lovette IJ</i>
1500	Do High-energy Lifestyles in Birds Promote High Maximal Metabolic Capacities? <i>Swanson DL, Thomas NE, Zhang Y</i>	*Spatial Patterns of Habitat Use of the Sierra Madre Sparrow, Mexican and Endemic Mountain Bird, in Milpa Alta, Mexico City <i>Savarino-Drago A, Ruvalcaba-Ortega I, Martinez M, Martinez H, Martinez-Molina U, Martinez-Molina Y, Garcia-Loeza S, Rodriguez-Contreras V, Martinez-Molina G</i>	The Effects of Climate, Habitat, and Diet On Methylmercury Bioavailability for New York Songbirds <i>Adams EM, Sauer AK, Lane O, Regan K, Evers DC</i>	Prioritizing Regional Landscapes To Achieve Biological and Social Objectives Through Bird Habitat Conservation <i>Soulliere GJ, Al-Saffer MA</i>	*What Drives Flexible Signaling? Anthropogenic Noise and Social Context Affect Male House Wren Vocal Behavior <i>Grabarczyk EE, Vonhof MJ, Gill SA</i>	Evolutionary Genomics of Variable Carotenoid-based Ornamentation in the Red-backed Fairywren <i>Khalil S, Walsh J, Enbody ED, Baldassarre DT, Webster MS, Karubian J</i>
1515	From Shallow To Deep: A Torpor Spectrum in Hummingbirds Uncovered Using Thermal Imaging <i>Shankar A, Cisneros IN, Thompson S, Graham CH, Powers DR</i>	*Effects of Lead Exposure On Reproductive Success and Extra-pair Paternity in a Common Urban Songbird <i>Hitt LG, Khalil S, Blanchette A, Finkelstein ME, Ribeiro RD, Iverson EN, McClelland SC, Karubian J</i>	Are Wetlands Hotspots for Bioaccumulation of Mercury in Songbirds? <i>Brasso RL, Rittenhouse KA, Winder VL</i>	Land Trusts and Birds: Partners in Strategic Conservation <i>Rodewald AD, Swarthout SB, Dayer AA, Rohrbaugh RW</i>	Who Is There? Response To Different Type of Territorial Intruders <i>Sandoval L, Hamzaj T, Bonilla K, Gutierrez I</i>	Hybrid Zones and the Development of Reproductive Isolation in Flooded Versus Terra Firme Forest Birds of the Amazon <i>Weir JT</i>
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Session	Genomics, Systematics	Behavior	Symposium: Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff)	Symposium: Molecular Ecology Is for the Birds: Using Molecular Techniques To Advance Our Understanding of Avian Ecology (Jusino)	Conservation	Migration & Stopover
1600	Identifying and Characterizing Transposable Element Polymorphisms in the Northern Flicker (Colaptes Auratus) Species Complex <i>Hruska JP, Manthey JD</i>	*Provisioning Coordination Increases With Mate Familiarity in a Long-lived Pelagic Seabird, the Manx Shearwater <i>Tyson CW, Gillies N, Guilford T, Hull J</i>	*Demographic and Distributional Responses By Long-distance Migratory Shorebirds To the Rapid Loss of Staging Habitat <i>Chan Y, Lok T, Chung SS, Tibbitts TL, Hassell CJ, Piersma T, Zhang S</i>	Detecting Ecosystem Services From Insectivorous Birds <i>Jedlicka JA</i>	*Where in the World Are Migratory Birds Declining During the Annual Cycle? The Winter Survival of a Near Threatened Shorebird in South America <i>Herbert JA, Mizrahi D, Taylor C</i>	Assessing Optimality of Migratory Landbirds Crossing the Gulf of Mexico Using Individual-based Modeling of Telemetry Data <i>Bolus RT, Diehl RH, Deppe JL, Ward MP, Moore FR, Celis-Murillo A, Zenzal Jr TJ, Smolinsky JA</i>
1615	Immigration May Decouple Heterozygosity and Inbreeding in Declining Populations of Florida Scrub-Jays <i>Nguyen TN, Chen N, Bowman R, Fitzpatrick JW, Clark AG</i>	Investigating the Role of Avian Vocalizations As 'magic Traits' Using On-bird Sensors <i>Tarango CA, Sillett TS, Gomez AJ, Fitzpatrick JW</i>	Cross-seasonal Interactions: the Pacific As the World's Greatest Theater of Bird Migration <i>Piersma T</i>	Using Molecular Techniques To Study the Diets and Gut Microbiota of Migratory Birds <i>Trevelline BK</i>	*What Factors Influence Nest Survival of the Endangered Yellow-headed Amazon? <i>Tarazona-Tubens FL, Britt CR, Abadi F, Desmond MJ</i>	Movement and Distribution of Red Knots (Calidris Canutus) in the Southeastern U.S <i>Tuma ME, Powell AN</i>
1630	Phylogeny of the Hawaiian Thrushes (Myadestes) Based On UCE and Mitochondrial DNA Sequences <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen S, Olson S, James H</i>	Hierarchical Fear: Predation Risk Has Direct and Indirect Effects On Nestling Growth and Stress <i>de Zwaan DR, Martin K</i>	Piersma - Continued	Using Box-nesting Birds To Explore Methods in Studying Developmental Immunity and Gut Microbiota <i>Knutie SA</i>	Effects of Translocation On Burrowing Owl (Athene Cunicularia) Survival, Fidelity, and Nesting Rates in Arizona <i>Doublet DN, Desmond MJ, Johnson DH, Abadi F</i>	Movement Patterns and Habitat Use of Endangered Whooping Cranes During Migration Through Canada's Oil Sands Mining Region <i>Bidwell MT, Conkin JA, Ball J, Brandt DA, Harrell W, Kindopp R, Metzger K, Pearse AT, Wiacek R</i>
1645	Reconciling the Mitonuclear Compatibility Species Concept With Rampant Mitochondrial Introgression <i>Hill GE</i>	Increased Predator Density Changes Nest Attendance Behavior of Yellow-headed Blackbirds (Xanthocephalus Xanthocephalus) <i>Harms TM, Behrens C, Ruff ZJ, Dinsmore SJ</i>	Closing Summary: A Synthesis and Gap Analysis of Migratory Connectivity Knowledge Available for Alaskan Birds <i>Harrison A</i>	Anthelmintic Drugs Modulate the Acute Phase Immune Response but Not the Microbiome in Wild Song Sparrows <i>Vaziri GJ, Jusino MA, Brewer MT, Adelman JS</i>	Landscape Matrix and Species Traits Mediate Avian Responses To Forest Fragmentation <i>Kennedy CM, Marra PP</i>	Revisiting Red-winged Blackbird Migration: Fine-scale Temporal and Spatial Movements of Individuals Across Annual Migration <i>Eshleman MA, Klug PE, Greives TJ, Gillam EH</i>
1700	The Common Yellowthroat Genoscape- a Genomic Approach To Delineating Conservation Units <i>Bossu CM, Rajbhandary J, Smith TB, Ruegg K</i>	Parental Behaviors Mediate the Effects of Bird Blow Fly Ectoparasitism On Nestling Wood Thrushes in Suburban Forests <i>Straley KM, Warren PS, King DI</i>		Assessing the Relationship Between Multiple Paternity and the Cloacal Microbiome in Female Tree Swallows <i>Hernandez J, McGlothlin JW, Belden LK, Moore IT</i>	*Demographic Consequences of Road Mortality To Snowy Plovers At Gulf Islands National Seashore, FL <i>Durkin MM, Cohen JB</i>	Age-, Sex-, and Size-Related Differences in the Distribution of Migrating Landbirds On the Northern Gulf Coast <i>Calderon LN, Zenzal TJ, Barrow W, Wilson B, Buler JJ</i>
1715	A Genomic Investigation of the Potential Despeciation of Deeply Divergent Lineages in a Malagasy Passerine <i>Perry NL, Block NL, Younger JL, Raheirilalao M, Goodman SM, Reddy S</i>	Testing the Social Intelligence Hypothesis in Wild Birds <i>McCune KB, Jablonski P, Lee S, Ha RR</i>		Panel Discussion	When Prioritizing Regions for Migratory Bird Habitat Conservation, Quantifying Costs Can Supersede Parametrizing a Population Model <i>Stanton Jr RA, McGowan CP, Robinson OJ</i>	*Assessing the Potential for Using Weather Radar To Predict Bird Collisions <i>Elmore JA, Horton KG, Riding CS, O'Connell TJ, Loss SR</i>
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Session	Conservation	Symposium: Long-term Studies of Cavity-nesting Birds: Windows Into Environmental Change (Duckworth)	Annual Cycle	Symposium: Seabirds On the Edge of Two Worlds: Ecology and Conservation of Brachyramphus Murrelets in Marine and Terrestrial Environments (Rivers)	Evolution	Population Biology
1400	Population Genetics of a Beringian Endemic, Rock Sandpiper <i>Pruett CL, Winker K</i>	Insights Into Adaptation and Population Change From Long-term Studies of Cavity Nesting Birds <i>Duckworth RA</i>	Carry-over Effects of Breeding Season Habitat On a Long-distance Migrant <i>Boyd BP, Stutchbury B, Hayes SM</i>	Factors Associated With Marbled Murrelet (Brachyramphus Marmoratus) Nesting Activity in Western Oregon <i>Rivers JW, Adrean L, Nelson SK, Garcia-Heras M, Roby D, Betts M</i>	Skeletal Distribution of Medullary Bone in Neornithes - Implications for the Identification of Reproductive Tissues in Non-avian Dinosaurs <i>Canoville AR, Schweitzer MH, Zanno LE</i>	Pintail Populations Became More Vulnerable To Climate Change Under Agricultural Intensification <i>Zhao QN, Arnold T, Devries J, Howerter D, Clark B, Weegman M</i>
1415	How Do Seabirds See Light? Spectral Effects On the Temporal Sensitivity of Hawaiian Seabirds <i>Moon HE, Anderson T, Travers M, Loew E, Porter M</i>	Long-term Responses To Environmental Change Across Multiple Scales in the Great Tit <i>Sheldon BC</i>	Large-scale Phenological Dynamics of North American Passerines <i>Youngflesh CC, Socolar JB, Tingley MW</i>	Can Oceanic Effects On Growth and Time To Fledging Mediate Terrestrial Predator Limitation of an At-risk Seabird? <i>Knudson TW, Lovvorn JR, Lawonn MJ, Corcoran RM, Roby DD, Piatt JF, Pyle WH</i>	Replicated Invasions Reveal Hotspots of Natural Selection in the European Starling <i>Hofmeister NR, Rollins LA, Stuart K, Werner SJ, Lovette IJ, Clayton DF</i>	When the Freezer Breaks: Will Climate Warming Impact the Persistence of Resident Birds in Alaska? <i>Williams EJ, Phillips LM, Grigsby T, Norris R, Chicalo R, Marzluff J, Swift K</i>
1430	The Endangered Black-capped Vireo (Vireo Aticapilla): Status After 30 Years of Recovery Management in Oklahoma, USA <i>Grzybowski JA, McDonald DT</i>	Sheldon - Continued	Alternate Migration Strategies Mediate the Effects of Stochastic and Predictable Climatic Changes On Migratory Birds <i>Senner NR, Linscott JA, Rakhimberdiev E, Douglas DC</i>	Breeding Propensity and Causes of Nest Failure for Marbled Murrelets in Washington State <i>Lorenz TJ, Raphael MG, Bloxton TD</i>	Testing for Adaptive Introgression Across Elevation in a Rapid Radiation, the South American Siskins (Spinus) <i>Beckman EJ, Witt CC</i>	Population Ecology of Spruce Grouse in Commercially-managed Forests <i>Blomberg EJ, Tebbenkamp J, Dunham S, Harrison D</i>
1445		Long-term Effects of Environmental Change On Two Cavity Nesting Passerines <i>Bartlow AW, Wysner TE, Musgrave KS, Hathcock CD, Fair JM</i>	Breeding Ground Habitat Loss Is the Primary Driver of Population Declines for a Long-distance Migratory Songbird <i>Hallworth MT, Marra PP, Bayne E, Love OP, McKinnon E, Tremblay JA, Van Wilgenburg S, Drolet B, Ibarzabal J</i>	Breeding Ecology of Kittlitz's Murrelets in the Aleutian Islands, Alaska <i>Kaler RS, Kenney L, Williams J, Piatt J</i>	The Indirect Effect of Flight Demands On Egg Shape in Migratory and Sedentary Fork- Tailed Flycatchers (Tyrannus Savana) <i>Gómez-Bahamón VN, Chen ER, Tuero DT, Assis M, Marini MÁC, Bates J</i>	Long-term Change in the Intrinsic and Extrinsic Drivers of Individual Fitness <i>Arcese P, Germain R</i>
1500	The Effects of Habitat Management and Landscape Context On Northern Bobwhite Winter Survival in Southwest Missouri <i>Mosloff AR, Weegman MD, Thompson III FR, Thompson T</i>	Using Nestboxes To Understand If Landscape Influences American Kestrel Reproduction and Movements Along an Urban Gradient in Northern Utah, USA <i>Watson J, Oleyar D</i>	Hatching Date Influences Winter Habitat Quality: Examining Seasonal Interactions Across the Full Annual Cycle in Prairie Warblers <i>Akresh ME, King DI, Marra PP</i>	Space-use of Nesting and Non-nesting Brachyramphus Murrelets in Icy Bay, Alaska, 2007–2012 <i>Kissling ML, Lukacs PM, Lewis SB, Gende SM</i>	Unidirectional Introgression Between Rhegmatorhina Hoffmannsi and R. Berlepschi in the Amazon Forest <i>Del-Rio GC, Rego MA, Whitney BM, Schunck F, Silveira LE, Faircloth BC, Brunfield RT</i>	Comparative Demography At the Core and Southern Edge of the Black-throated Blue Warbler Breeding Range <i>Chandler RB, Chitwood R, Lewis W, Sillett TS, Cooper RJ</i>
1515	Mapping Wetland Habitat Using Remote Sensing Data for the Critically Endangered White-bellied Cinclodes (Cinclodes Palliatius) <i>Gibbons RE, Otto M</i>	Connecting Environment, Stress Coping Capacity, and Fitness: Insights From a Nest-box Breeding Population of Tree Swallows (Tachycineta Bicolor) <i>Vitousek MN</i>	Geolocators and Stable Isotopes Reveal the Migratory Route and Overwintering Locations of an Arctic-breeding Passerine <i>McFarland HR, Will A, Powell A</i>	Wide-ranging Movements and Long Nest-sea Commutes By Marbled Murrelets in Washington <i>Lorenz TJ, Raphael MG, Bloxton TD</i>		Unintended Consequences of Translocation: Reproductive Skew and Reduced Effective Population Size in the Red-cockaded Woodpecker <i>Bowman JR, Thompson GT, Angell E</i>
LUNCH BREAK						

*indicates student presenters eligible for AOS presentation award

COFFEE BREAK

*indicates student presenters eligible for AOS presentation award

LUNCH BREAK

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room	Summit 5	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	Management, Policy	Symposium: Counting Unmarked Birds AAS Matching Appropriate Sampling and Modeling Techniques With Particular Research Questions (Latif)	Symposium: Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey)	Symposium: Translational Ecology - Producing Actionable Science (Saunders)	Symposium: The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias)
1600	The Nsf Is Growing Pathways To Stem for Rural Community College Students Via Community Partnerships and Intensive Mentoring <i>Gillespie LM, Heinisch S, Grandgenett N</i>	A General Framework To Integrate Repeated Count and Mark-resight Data <i>Rushing CS, Hostetter NJ, Boettcher R, Lyons J</i>	It's Not Just Flowerpots and Tires: Defining the Impacts of West Nile Virus On a Woodland Bird, Ruffed Grouse <i>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Hebwig MW, Kyle AD</i>	Audubon's Vision: Restoring the Gulf of Mexico for Birds and People <i>Lankford KE</i>	Responses of Bird and Plant Communities To Global Change: Coupled Or Decoupled? <i>Schleuning M</i>
1615	Landscape Composition Explains High Rates of Dispersal in Translocated Lesser Prairie-chickens <i>Berigan LA, Aulicky C, Sullins D, Haukos D, Fricke K, Reitz J, Rossi L, Schultz K</i>	The Potential of Citizen Science Data for Population Monitoring <i>Johnston AA, Strimas-Mackey ME, Hochachka WM, Robinson O, Ruiz Gutierrez V, Miller E, Auer MT, Fink D</i>	Williams - Continued	Using Structured Decision Making To Connect Bird Monitoring To Restoration Decision-making <i>Adams EM, Fournier AM, Lyons JE, Wilson R, Gleason JS, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i>	Avian Functional Traits and the Impacts of Climate Change On Ecosystem Function <i>Pigot AL, Trisos C, Merow C, Tobias J</i>
1630	The Interactive Effects of Fire and Recreation On Golden Eagles <i>Davis CM, Heath JA</i>	Scaling Up By Integrating Standardized and Unstandardized, Community Science Count Data: a Case Study in the Upper Mississippi River <i>Michel NL, Meehan TD, Saunders SP</i>	Urban White Ibises Facing Trade-offs in South Florida <i>Welch CN, Hernandez SM, Murray M, Curry SE, Kidd A, Hepinstall-Cymerman J, Lankau E, Yabsley M, Navarra K, Cummings C, Lipp E, Altizer S</i>	A Strategic Plan for Monitoring Birds in the Gulf of Mexico: Translating Stakeholder Values Into Priorities <i>Fournier AM, Lyons JE, Wilson R, Gleason JS, Adams EM, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</i>	How Trait Data Help Improving Avian Biodiversity Forecasts Under Global Change <i>Zurell D</i>
1645	Duration of Corvid Response To Forest Restoration Thinning: Implications for Conservation of the Threatened Marbled Murrelet <i>Hagar JC, Waianuheha LK</i>	Designing a Bird Survey for Latin America: the PROALAS Protocol in EBird <i>Ruiz-Gutierrez VV, Lello-Smith A, Ortega Alvarez R</i>	Lessons Learned From Research and Surveillance Directed At Highly Pathogenic Influenza Viruses in Wild Birds of North America <i>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</i>	Golden-winged Warbler Conservation: Using Science To Take Action <i>Fowle MR, LaBarr MS, Barker SE</i>	The Impacts of Diversity and Assembly History On Community Vulnerability <i>Weeks BC, Tobias J</i>
1700	Effective Multi-scale Governance for Migratory Shorebirds. Lessons From the EAAF and an Australian Wetland Site <i>Hamman EV</i>		Ramey - Continued	An Assessment of Ecological Value and Vulnerability in the Bering, Chukchi, and Beaufort Seas <i>Smith MA, Goldman M, Knight E, Sullender B</i>	Panel Discussion
1715			Panel Discussion	Synthesizing Full Annual Cycle Science and Threats To Drive Conservation and Policy Actions for North American Migratory Birds <i>Deppe JL, Auer T, Knight E, Langham G, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</i>	Panel Discussion
COFFEE BREAK					