

*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	<b>Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra &amp; Rosenberg)</b> S1	<b>Symposium Breaking Through Biases: What We’ve Learned from Female Birds (Odom &amp; Bennett)</b> S2	<b>Phylogenetics &amp; Phylogeography</b> S3	<b>Songs &amp; Vocalizations</b> S4	<b>Biogeography</b> S5	<b>Birds &amp; Agriculture</b> S6
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, Helt 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>	Montane Biogeography and the Evolution of Disjunct Ranges: a Case Study in the Diglossa Flowerpiercers  <i>Hiller AE, Brumfield RT, Faircloth BC</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 L, Hathcock TJ, Najar N, Mitchell L, Cavar J, Logue D</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 HR, Valqui T, Jason WD, Williamson JL, Witt CC</i>	Behavioral Landscape of ‘Oma’o Vocalizations in a Naturally Fragmented Habitat  <i>Netoskie EC, Paxton KL, Paxton EH, Hart PJ</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>	*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 CM</i>	Climate Delineates the Northern Range Boundary of the Northern Cardinal  <i>Miller CR, Porter WP, Fitzpatrick MJ, Zuckerberg B</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>	Multiple Hybrid Zones in a Widespread Amazonian Bird Reveal Different Evolutionary Processes  <i>Moncrieff AE, Brumfield RT</i>	*Repertoire Size and Individual Variation in Vocalizations of ‘ōma’ō (Myadestes obscurus) an Endemic Hawaiian Thrush  <i>Tysall EE, Paxton KL, Netoskie EC, Paxton EH, Hart PJ</i>	Diversification and Biogeography in an Indo-Pacific Bird Radiation (Pachycephalidae)  <i>Brady SS, Joseph LG, Moyle RG, Andersen MJ</i>	Quantifying Multiple-Benefits of Bird Conservation in the Agricultural Mosaic of California’s Central Valley  <i>Seavy NE, Humple D</i>
1130	American Seabirds: A Review of Status, Threats, and Conservation on Land and at Sea  <i>Nevins HM, Goyert H, Keitt B, Wiedenfeld D</i>	Migratory Landbird Conservation Compromised by Failure to Address Sexual Segregation  <i>Bennett RE, Rodewald AD, Rosenberg KV</i>	Comparative Phylogeography of Amazonian Riverine Island Birds  <i>Johnson O, Brumfield RT</i>	Deep Convolutional Neural Network to Detect Forest Owls of the Pacific Northwest  <i>Lesmeister DB, Ruff ZJ, Sullivan CM</i>	*Patterns and Mechanisms of Heterogeneous Breeding Distribution Shifts in North American Migratory Birds  <i>McCaslin HM, Heath JA</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>	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>	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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Session	<b>Symposium Understanding and Addressing the Collapse of the North American Avifauna (Marra &amp; Rosenberg)</b> S13	<b>Symposium Conservation and Management of Boreal Birds in a Changing Climate: What Do We Expect, What Have We Observed, and What Do We Do About It? (Stralberg et Al.)</b> S14	<b>Phylogeography</b> S15	<b>Symposium Species Limits in Birds: Integrative and Practical Considerations for Taxonomy (Winker &amp; Rasmussen)</b> S16	<b>Climate</b> S17	<b>Breeding Biology</b> S18
1400	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>	Model-Based Vulnerability Assessment of Boreal Birds in a Changing Climate  <i>Bateman BL, Wu JX, Wilsey CB, Taylor L, LeBaron G, Langham GM</i>	Genomic Signatures of Pleistocene Dry Forest Connections in a Widespread South American Songbird  <i>Corbett EC, Bravo GA, Schunck F, Naka LN, Silveira LF, Edwards SV</i>	Integrative Approaches to Species Delimitation in Birds  <i>Cicero C, Mason NA, Jimenez RA, Wait DR, Wang-Claypool CY, Bowie RC</i>	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>	Can Nest Concealment in Wood Thrushes Predict Reproductive Success?  <i>Israel AM, Stutchbury BJ</i>
1415	Waterfowl in North America: A Successful Story of Partner-Based Conservation and Regulated Harvest  <i>Brasher MG, Moorman TE</i>	Ecological Niche Modeling and Potential Implications for Alaskan Birds Under 2 °C Warming  <i>Wu JX, Bateman BL, Wilsey CB, Taylor L, Langham GM</i>	Using Ancient DNA from Fossils to Place an Extinct Flightless Bird Genus in a Phylogenetic Context  <i>Oswald JA, Allen JM, Folk R, Stucky B, Steadman DW, Guralnick R</i>	Revisionist History - Towards Comparable Species Across Avian Taxonomy  <i>Bates JM, Reddy S</i>	Climate, Storm-Petrels, and Chick Growth  <i>Mauck RA, Huntington CE, Haussmann MF, Dearborn DC, Ricklefs RE</i>	Nest Survival, Predator Assemblage, and Patterns of Predation at Veery (Catharus Fuscescens) Nests in a Mature Forest  <i>Goguen CB, Murray LD</i>
1430	Contrasting Regional and Range-Wide Trends Inform Causes of Decline: Case Study with the Red-Cockaded Woodpecker and Associated Pineland Birds  <i>Walters JR, Rosenberg KV, Sauer JR</i>	Detecting Shifts in the Phenology and Distribution of Bird Assemblages on the Kenai Peninsula, Alaska in a Changing Climate  <i>Magness DR, Eskelin T</i>	Comparative Phylogeography of Four Lowland Forest Birds Distributed Across the Dahomey Gap of West Africa  <i>Huntley JW, Sweet P, Hibbiits T, Arame H, Adite A</i>	Genoscapes & Species Limits - Lessons from the Last 5 Years  <i>Ruegg KC, Smith T, Bossu C, Rajbandary J</i>	*Contrasting Demographic Responses of Eastern Bluebird Populations to Climatic Variability  <i>Harrod SE, Rolland V</i>	*Viewing Habitat Through Another Lens: Bird Nest-Site Selection and Productivity Across the Beach Thermal Landscape  <i>Schaale LE, Baxley JB, Pricope NG, Danner RM</i>
1445	State of Population Trend Monitoring for North American Birds  <i>Michel NL, Smith AC, Hudson MR, Sauer J</i>	Present and Future Distribution and Abundance of Aerial Insectivores in the Northwest Using Climate and Landcover  <i>Stehelin TE, Schmiegelow FK</i>	*Comparative Genomics Reveal Modes of Differentiation in North American Warm Desert Birds  <i>Provost KL, Shue S, Forcellati M, Smith BT</i>	The Utility and Significance of Population Genomic Data in Assessing Avian Species Limits  <i>Sorenson MD</i>	Climate Warming Reduces Population Growth and Recruitment Rates Over 30 Years in an Afrotropical Bird Community  <i>Neate-Clegg MH, Stanley TR, Sekercioglu CH, Newmark WD</i>	*Egg Laying Behavior by Burrowing Owls Along a Latitudinal Gradient  <i>Lundblad CG, Conway CJ</i>
1500	Are Declines in Migratory Bird Species More Closely Associated with Breeding or Wintering Locations?  <i>Sauer JR, Rosenberg KV, Marra PP, Link WA</i>	Conservation of Kirtland's Warbler in a Changing World  <i>Ribic CA, Brown DJ, Donner DM, Bocetti CI</i>	*The Genetics of Adaptation and Diversification of the "Great Speciators" - The Wallacean Zosterops  <i>Bloch LM, Irham M, Haryoko T, Claypool-Wang C, McGuire JA, Rowe K, Bowie RC</i>	The Past and Future of 'benchmark' Systems for Delimiting Bird Species  <i>Tobias JA</i>	Climate Change Threatens a Songbird Population Through Its Impacts on Breeding  <i>Bonnot TW, Cox WA, Thompson FR, Millspaugh JJ</i>	Macroevolutionary Dynamics of Egg Colour and Patterning  <i>Sheard CE, Street SE, Troisi C, Clark A, Healy SD, Laland KN</i>
1515	Addressing Population Declines with Full Annual Cycle Models: Current Advances and Data Needs  <i>Joos CJ, Rushing CS</i>	The Influence of Climatic Dipoles on Irruption Dynamics in a Warming World  <i>Zuckerberg B, Strong C, LaMontagne J</i>	Testing the Causes of Speciation with Gene Flow in a Neotropical Avian Species Pair (Pachyramphus Aglaiae)  <i>Musher LJ, Galante P, Blair M, Huntley J, Thom G</i>	Endless Forms Less Beautiful: Relevance of Morphological Analyses to Integrative Taxonomy of Asian Prinia Species Complexes  <i>Rasmussen PC, Alstrom P, Olsson U</i>		*To Kill a Mockingbird: The Combined Effects of Two Radically Different Parasites  <i>Herman JM, Fiorini VD, Crudele I, Reboreda JC, Pladas SA, Bush SE, Clayton DH</i>

COFFEE BREAK

# Wednesday, Early Afternoon Session

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Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	<b>Symposium Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help or Hurt Farmers? (Pejchar &amp; Kennedy) S19</b>	<b>Evolution S20</b>	<b>Conservation S21</b>	<b>Migration &amp; Stopover S22</b>	<b>Symposium Social Dynamics in Interspecific Interactions (Johnson &amp; Shizuka) S23</b>	<b>Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney &amp; Ruthrauff) S24</b>
1400	Net Effects of Birds in Agroecosystems  <i>Pejchar L, Clough Y, Ekroos J, Nicholas K, Olsson O, Ram D, Tschumi M, Smith H</i>	*A Tale of Two Transects: Sexual Selection Across a Hummingbird Hybrid Zone  <i>Myers BM, Rankin DT, Brelsford A, Burns KJ, Clark CJ</i>	Extinction Debt and Species Credit in Tropical Forest Bird Communities: Conservation Implications for Two Biodiversity Hotspots  <i>Newmark WD</i>	*A Range-Wide Geolocator Project Fills Critical Knowledge Gaps of Our Understanding of the Full Annual Cycle of Cerulean Warblers  <i>Raybuck DW, Buehler DA, Boves TJ, Larkin JL, Stoleson SH, Bulluck LP, George GA, Kearns LJ, Slankard KG, Petzinger S, Cox JJ, Mylecraine KA</i>	Heterospecific Sociality: How Cooperation, Competition, and Communication Across Species Shape Avian Behavior  <i>Johnson AE</i>	Can Stable Isotopes Help Identify Links Between Wintering, Migration, and Breeding Areas of Semipalmated Sandpiper?  <i>Gurney KE, Mizrahi DS, Alisuskas RT</i>
1415	Strategies for Navigating Trade-Offs Between Avian-Mediated Services and Disservices Affecting Food Production and Safety  <i>Kennedy CM, Latimer CE, Smith OM, Taylor JM, Owen JP, Rankin E, Snyder WE</i>	Cultural Evolution Promotes Rapid Character Displacement in Sympatric Crossbills  <i>Porter CK, Benkman CW</i>	*Cross-Scale Interaction Effects of Climate and Forest Patch Size on the Persistence of Forest-Interior Birds  <i>Chaudhary A, Gutzwiller KJ</i>	Phenology of the Purple Martin Annual Cycle  <i>Kelly JF, Horton KG, Stepanian P</i>	Learning to Join the Information Web  <i>Magrath RD, Ratnayake C, Radford A, McLachlan J, Igic B, Potvin D</i>	Migratory Dynamics of Beringian Dunlin on the East Asian-Australasian Flyway  <i>Lancot RB, Lagasse BJ, Yezerinac S, Brown S, Kendall S, Latty C, Liebezeit J, McGuire RL, Robards M, Saalfeld ST, Slaght J, Wunder M</i>
1430	Trade-Offs Between Ecosystem Services and Disservices Provided by Birds Covary with Agricultural Intensification in the US  <i>Latimer CE, Smith OM, Owen J, Snyder W, Kennedy CM</i>	The Relative Roles of Natural Selection and Sexual Selection in Speciation in the Tanagers  <i>Price-Waldman RM, Demery AJ, Mason NA, Shultz AJ, Title PO, Burns KJ</i>	*Experimental Forest Fragmentation Alters Interaction Networks of Amazonian Mixed-Species Flocks  <i>Rutt CL, Mokross K, Stouffer PC</i>	Conservation Implications of a Migratory Network for the Common Nighthawk  <i>Knight EC, Harrison A, Scarpignato AL, Van Wilgenburg SL, Bayne EM, Marra PP</i>		Movement Patterns of Arctic-Breeding Shorebirds During Post-Breeding and Southbound Migration  <i>Saalfeld ST, Lancot RB, Brown S, Lamarre J, McGuire R, Ruthrauff D, Elliot K, Latty C</i>
1445	*Understanding Food Safety Risks Associated with Wild Birds: a Meta-Analysis and Conceptual Framework  <i>Smith OM, Owen JP</i>	Pleistocene Glacial Cycles and the Relative Ease of Speciation with Periodic Gene Flow  <i>Linck EB, Battey C</i>	Forest Management, Habitat Conservation and Monitoring Northern Goshawks in Southeast Alaska  <i>Titus K</i>	Conservation in the Context of Migratory Connectivity: A Golden-Winged Warbler Case Study  <i>Roth AM, Buckardt Thomas A</i>	Sister, Sister: Song Recognition and the Role of Early Experience in Sympatric Zonotrichia  <i>Hudson EJ, Shizuka D</i>	Migratory Connectivity of a Declining Boreal Shorebird, the Lesser Yellowlegs  <i>Christie KS, McDuffie L, Johnson JA, Taylor A</i>
1500	Managing Wild Birds for Strawberry Production, Pest Control, and Food Safety Outcomes in the California Central Coast  <i>Olimpi EM, Garcia K, Gonthier D, Karp DS</i>	Early Stage of the Speciation Process: Two Coloration Genes Underlie Species Differences in a Pair of Capuchino Seedeaters (Sporophila)  <i>Estalles MC, Campagna L, Rodriguez Cajarville MJ, Tubaro PL, Lovette I, Lijmaer DA</i>	*Grassland Bird Response to Spring Cover Crops in an Agricultural Landscape  <i>Godar AJ, Annis A, Haukos D, Prendergast J</i>	Migratory Pathways, Stopover Locations, and Wintering Destinations of Flammulated Owls Breeding in Colorado  <i>Linkhart BD, Yanco SW, Fox JW</i>	Identifying Functional Roles in Mixed-Species Groups  <i>Vander Meiden LN, Shizuka D</i>	Stopover Ecology of Semipalmated Sandpipers in Maritime Canada  <i>Hamilton DJ, Bliss S, Geldart E, Linhart R, Neima SG, Paquet J, Gratto-Trevor CL</i>
1515	Birds in Fruit Production Systems: Contexts, Outcomes, Costs, and Benefits  <i>Lindell CA</i>	Signal Evolution and Morphological Complexity in Hummingbirds (Aves: Trochilidae)  <i>Eliason CM, Maia R, Parra JL, Shawkey MD</i>	Using Remote Sensing of Avian Habitat to Direct Bird Conservation  <i>Bonfield SB, Schimel D, Stavros N, Questad E, Schneider F, Ferraz A</i>	Full Annual Cycle Ecology of Migratory Birds in the Lower Great Lakes  <i>Tonra CM</i>	Loss of a Keystone Informant Disrupts Information Cascades among Ant-Following Birds in a Tropical Forest Fragment  <i>Pollock HS, Martinez AE, Kelley JP, Touchton JM, Tarwater CE</i>	Connectivity and Staging Site Pollution Effects in a Long-Distance Migratory Shorebird  <i>Morrissey CA, Bianchini K, McKellar A, Newstead D</i>

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## 1730 – 1830 EARLY PROFESSIONAL SYMPOSIUM COOK THEATRE

Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	<b>Symposium Biodiversity Mediated Trade-offs in Agroecosystems: When Do Birds Help or Hurt Farmers? (Pejchar &amp; Kennedy) S31</b>	<b>Life History &amp; Behavior S32</b>	<b>Conservation S33</b>	<b>Migration &amp; Stopover S34</b>	<b>Symposium Social Dynamics in Interspecific Interactions (Johnson &amp; Shizuka) S35</b>	<b>Symposium Avian Biology and the Annual Life Cycle: Shorebirds as Models to Understand Dynamic Boundaries (Gurney &amp; Ruthrauff) S36</b>
1600	Predation-Mediated Ecosystem Services and Disservices in Agricultural Landscapes  <i>Smith HG, Tschumi M, Birkhofer K, Ekroos J, Hjort C</i>	*Evolution of Polygyny in Weaverbirds (Family Ploceidae)  <i>De Silva TN, Fernando SW, Peterson AT</i>	*Fear of Predators Influences Nestling Condition Across a Suburbanization Gradient  <i>Grade AM, Warren PS, Lerman SB</i>	Satellite Tracking a Wide-Ranging Endangered Vulture Species to Target Conservation Actions in the Middle East and East Africa  <i>Buechley ER, McGrady MJ, Coban E, Sekercioglu CH</i>	Effects of Non-Breeding Foraging on Mixed-Species Flocking in Florida  <i>Jones HH, Walters MJ, Robinson SK</i>	How Can Habitat Degradation Push Extreme Migrants Over the Edge?  <i>Chan Y, Tibbitts TL, Hassell CJ, Peng H, Piersma T</i>
1615	Insectivorous Birds Foraging in Temperate and Tropical Agricultural Lands  <i>Jedlicka JA</i>	*Patterns and Causes of Tropical Montane Life Histories: An Observational and Experimental Study in Malaysian Borneo  <i>Mitchell AE, Martin TE</i>	*Testing the Proposed IUCN Green List Categories and Criteria  <i>Gupta G, McGowan P, Dunn J, Sanderson R</i>	Synthesis of Migration Ecology in the Gulf of Mexico Guides Species Conservation  <i>Deppe JL, Benson TJ, Bolis R, Buler J, Celis Murillo A, Diehl R, Feldman R, Knight E, Langham GM, Mehlman D, Michel N, Moore F</i>	Fighting Over Food Unites the Birds of North America in a Continental Dominance Hierarchy  <i>Miller ET, Bonter DN, Eldermire C, Freeman BG, Greig EI, Harmon LJ, Lisle C, Hochachka WM</i>	*Traveling as a Newbie: Migratory Strategies Linked to Survivorship in Juvenile Shorebirds in Peru  <i>Tavera EA, Lank DB, Drever MC, Gutierrez-Ruiz VV</i>
1630	Vertebrate Control from Raptors Motivates Farmers to Install Nest Boxes, but is Secondary Poisoning a Concern?  <i>Martinico BL, Kross SM, Hull JM, Bourbour RP, Phillips EM, Hiroyasu E</i>	*Quantifying Trade-Offs in Migration and Reproduction in Long-Distance Migratory Birds of Contrasting Life History  <i>Cunningham SA, Schafer TL, Wikle CK, Ballard BM, VonBank JA, Weegman MD</i>	Saving the Red Siskin (Spinus Cucullatus): Managing New Flock Member Introductions in Captivity  <i>Hill SK</i>	Messy Eaters: DNA on Dirty Talons and Beaks Reveal What a Migrating Raptor Eats  <i>Bourbour RP, Hull JM</i>	Interspecific Aggression and the Evolution of Avian Mimicry in Woodpeckers  <i>Leighton GM, Miller ET, Freeman BG, Lees AC, Ligon RA</i>	Within-Individual Advancement in Bar-Tailed Godwit Departure from New Zealand Does Not Lead to Earlier Arrival in Alaska  <i>Conklin JR, Lisovski S, Battley PF</i>
1645	Foraging Selectivity of Insectivorous Birds in Kenyan Shade Coffee Systems  <i>Kammerichs-Berke D, Johnson M, Bean T</i>	Timing is of the Essence: Later Breeding Predicts Lower Survival in American Kestrels (Falco Sparverius)  <i>Callery KR, Smallwood JA, Eschenbauch AL, Luttmann ER, Heath JA</i>	*Conservation of Tidal Marsh Sparrows in an Urban Setting Referencing Range Wide Nesting Occurrence  <i>Kocek AR, Elphick CS, Hodgman TP, Kovach AI, Olsen BJ, Ruskin KJ, Shriver WG, Cohen JB</i>	Winter Ecology and Spring Migration Timing of Swainson's Thrush Using Forest and Shade Coffee Plantations in Colombia  <i>Hobson KA, Gonzalez Prieto AM, McElaney S, Bayly N</i>	Social Dominance Hierarchies among Species and Their Consequences for Behaviour, Ecology and Evolution  <i>Martin PR</i>	Declines in Eastern Canada Piping Plovers: Are Overwintering Grounds the Key to Conservation?  <i>Gratto-Trevor CL, Rock J, Shaffer F</i>
1700	Panel Discussion	*Loggers in Artificial Eggs Reveal Scarlet Macaw Incubation in Natural and Artificial Nests  <i>Woodman CJ</i>	Integrating Genetic, Population Monitoring, and Climate Data to Inform Conservation of a Declining Migratory Bird  <i>Saracco JF, Ruegg KC, Harrigan RJ, Taylor CM, Rubenstein M</i>	Population-Level Importance and Migratory Connectivity of a Shorebird Staging Site in the Midcontinental Flyway  <i>Howell JE, McKellar AE, Espie RH, Bianchini K, Morrissey CA</i>		Linking Demographic Rates to Population Trends in Six Species of Arctic-Breeding Shorebirds  <i>Weiser EL, Sandercock BK, Lanciot RB, Brown SC</i>
1715		Application of a Novel Nest Density Estimator: An Example Using Sagebrush-Steppe Songbirds  <i>Reintsma KM, Berkeley LI, Dreitz VJ</i>	Response of a Southern California Riparian Bird Community to Habitat Destruction by the Invasive Kuroshio Shot Hole Borer  <i>Kus BE</i>	Idiosyncratic Changes in Spring Arrival Dates of Pacific Northwest Migratory Birds  <i>Robinson WD, Partipilo C, Hallman TA, Fairchild K, Fairchild J</i>		Environmental Drivers of Annual Survival and Site Fidelity of Lekking Great Snipe in Norway  <i>Sandercock BK, Saether SA, Kalas JA</i>

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Session	<b>Sexual Selection &amp; Parental Care</b> S43	<b>Abundance, Occupancy, Trends</b> S44	<b>Habitat Relationships</b> S45	<b>Symposium</b> <b>Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves et AL.)</b> S46	<b>Breeding Biology</b> S47	<b>Symposium</b> <b>A Bright Future for Birds: Understanding the Impacts of Light Pollution on Avian Wildlife (Kernbach et AL.)</b> S48
1030	*Testing the Hotspot Hypothesis: Lesser Prairie-Chicken Lek Formation and Female Space Use  <i>Aulicky CS, Haukos D</i>	Juniper Expansion in the Sagebrush Ecosystem: Avian Predator Occupancy Patterns and Implications for Sage-Grouse Habitat Restoration  <i>Young AC, Johnson TN</i>	*Urban Habitat Use by an Endangered Hawaiian Waterbird on O’ahu, Hawaii  <i>Kawasaki MT, Hart PJ, Paxton EH</i>	Why Do Bird Conservation and Ornithology Need Social Science?  <i>Dayer AA</i>	A Holistic Approach to Demographic Monitoring of Declining Grassland Songbirds  <i>Bernath-Plaisted JS, Correll MD, Panjabi AO</i>	Circadian Rhythms, Melatonin and the Daily and Seasonal Control of Birdsong  <i>Cassone VM, Harpole CE</i>
1045	*Factors Influencing Parental Care in a Monomorphic Species, the Red-Headed Woodpecker  <i>Walter LA, Viverette C, Bulluck LP</i>	*The Effects of Recreational Activities on Avian Occupancy in a High Latitude Tundra Ecosystem  <i>Meeker AL, Marzluff JM</i>	Cascading Effects of Widespread Disease-Induced Mortality of a Foundation Tree Species on Hawaiian Forest Bird Communities  <i>Paxton KL, Hart PJ</i>		Variation in Nest Survival of the Federally Threatened Streaked Horned Lark on Grasslands in the South Puget Sound Lowlands  <i>Slater GL, Wolf AL, Lynch J</i>	Physiological and Genetic Mechanisms Underlying Organismal Response to Artificial Light at Night  <i>Alaasam VJ, Zang Y, Niu Y, Ferguson B, Pieraut S, Seymoure B, Casagrande S, Ouyang JQ</i>
1100	Social Versus Genetic Mating Systems: The Complex Mating System of the Lark Bunting  <i>Lyon BE, Chaine AS</i>	*Bias in Estimated Breeding Bird Abundance from Individual Movement  <i>Fogarty FA, Fleishman E</i>	Guild-Specific Effects of Intensive Forest Management on Avian Abundance  <i>Verschuyf JP, Kroll AJ, Jones J, Betts MG</i>	Building Social Science Capacity in the Bird Conservation Community: Nationwide Priorities and Practices  <i>Scarl J, Barnes JC, VerCauteren T</i>	*Seasonal Variation in Effects of Competing Predators on Avian Nest Success  <i>Ellis KS, Larsen RT, Koons DN</i>	Effects of Spectral Composition of Nighttime Lighting on Host Competence to West Nile Virus in a Passerine Reservoir  <i>Kernbach ME, Cassone VM, Unnasch TR, Martin LB</i>
1115	Influence of Both Male and Female Attractiveness on Reproductive Success, Offspring Phenotype, and Nestling Sex Ratio  <i>Hubbard JK, Moranville GP</i>	Distribution Update, Habitat Use and Conservation Status Assessment of the Grey-Bellied Comet (Taphrolesia Griseiventris)  <i>Cuadros SF</i>	Patterns of Home Range Resource Use by the Volcano Junco, a Costa Rican Highland Endemic  <i>Besozzi EM, Patten M</i>		Patterns of Nestling Growth Rates in Tidal Marsh Sparrows Mirror Colonization of Specialist Habitat  <i>Ruskin KJ, Watson VK, Olsen BJ</i>	Multiple Reproductive Costs Due to Light Pollution: Insights from Manipulative Experiments & Continental-Scale Data Synthesis  <i>Francis CD, Senzaki M, Ferraro DM, Barber JR</i>
1130	Frontline Defenses Against a Purported Mafia Brood Parasite  <i>Peer BD, Page P</i>	Ecological Correlates to Habitat Use in the Coastal Cactus Wren  <i>Winchell CS, Doherty PF, Taylor JM</i>	Influence of Reproductive Status of Greater Sage-Grouse on Habitat Selection in a Juniper Dominated Landscape  <i>Rabon JC, Coates PS, Ricca MA, Johnson TN</i>	America’s Wildlife Values: How Values Lead to Challenges and Opportunities for Bird Conservation  <i>Dietsch AM</i>	To Burn or Not to Burn? Breeding Success of King Rails in a Fire-Managed Coastal Marsh  <i>McRae SB, Schroeder KM</i>	*Light Pollution is Greatest Within Migration Passage Areas and is Related to Flight Altitudes of Nocturnal Migrants  <i>Cabrera-Cruz SA, Smolinsky JA, McCarthy KP, Buler JJ</i>
1145	Direct Effects of Brown-Headed Cowbird (Molothrus Ater) Brood Parasitism on the Growth and Development of Grassland Songbirds  <i>Winnicki SK, Boyle WA</i>	Sea Level Rise Impacts on Waterbird Habitat Across the Hawaiian Islands  <i>Price MR, Harmon KC</i>	Greener Pastures: Idiosyncratic Avian Responses to Early Forest Regeneration in the Maya Biosphere Reserve  <i>Lello-Smith AM, Rodewald AD, Ruiz-Gutierrez VV</i>	Understanding Underserved Audiences to Ensure Ongoing Long-Term Citizen Science Data Collection for Project FeederWatch  <i>Martin VY, Greig E, Bonter D</i>	Not So Secretive Marshbirds: Using Technology to Research a Cryptic Species, the Clapper Rail  <i>Elizondo EC, Shriver WG</i>	Seasonal Associations with Urban Light Pollution for Nocturnally Migrating Bird Populations  <i>La Sorte FA</i>
LUNCH BREAK						



\*indicates student presenters eligible for AOS presentation award

COFFEE BREAK

\*indicates student presenters eligible for AOS presentation award

Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	<b>Endocrinology &amp; Physiology</b> S55	<b>Symposium Undergrad Symposium</b> S56	<b>Disease &amp; Ecotoxicology</b> S57	<b>Symposium Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves et AL.)</b> S58	<b>Songs &amp; Vocalizations</b> S59	<b>Symposium Lessons from Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon et Al.)</b> S60
1400	Chronic, Sublethal Effects of High Temperatures Will Cause Severe Declines in Arid-Zone Birds During the 21st Century  <u>Conradie SR, Woodborne SM, Cunningham SJ, McKechnie AE</u>	Use of Thermal Imaging for the Study of Seabirds in the Gulf of Alaska: Implications for Management and Conservation  <u>Kidder EA, Sherwin R</u>	*Geographic Variation in Host Immunogenetics and Malarial Parasite Infection in a Catharus Thrush Species Complex  <u>Starkloff NC, Sammons MA, Westerdahl H, Turner WC, Kirchman JJ</u>	How Do Individual Attributes Predict Bird Conservation Behaviors Among Birders in the United States?  <u>Rich TD</u>	Partitioning of Signal Space in a Breeding Warbler Community  <u>Sblendorio JM, Vonhof MJ, Gill SA</u>	Mechanisms Underlying the Maintenance of Species Boundaries: Lessons from Avian Hybrid Zones  <u>Walsh JL, Aguillon SM, Clucas GV</u>
1415	*Will Low Oxygen Slow Range Shifts? Response to a Novel High Elevation Environment from Populations Across a Hummingbird Range  <u>Spence AR, Tingley MW</u>	Machine Annotation of Puaiohi Calls in Environmental Acoustic Recordings  <u>Weyenberg GS, Rumpungworm MD, Howells LO, Paxton KL, Crampton LH, Hart PJ</u>	Regional Variation in the Abundance of House Finches Created the Context that Determined the Impact of an Emerging Pathogen  <u>Hochachka WM, Dhondt AA</u>	Preferences of Birdwatchers and Waterfowl Hunters in the United States and Canada: Results of Discrete Choice Experiments (DCEs)  <u>Fulton DC, Dietsch A, Harshaw H, Raedeke A, Dayer A, Duberstein J</u>	Examining the Effect of Helicopter Noise on Bird Assemblages in Hawai'i's Protected Natural Areas  <u>Gallardo Cruz KV, Paxton KL, Hart PJ</u>	Genetic Architecture and Asymmetric Introgression of Plumage-Related Reproductive Barriers in Hybridizing Birds  <u>Semenov GA, Khaydarov DR, Safran RJ, Taylor SA</u>
1430	*Out in the Cold: a Novel Approach to Understanding the Physiological Drivers of Phenotypic Flexibility in Dark-Eyed Juncos  <u>Stager M, Senner NR, Cheviron ZA</u>	A Comparison Between Traditional and Next Generation Screening Approaches to Characterize Avian Haemosporidian Parasites  <u>Ray S, Henry M, Galen S, Ostrow EN, Dispoto J, Kiziuk L, Weckstein JD</u>	Cross-Ecosystem Subsidies in Acadia National Park: How Invertebrates Can Help Us Understand Mercury Exposure in Songbirds  <u>Jackson AK, Frampton L, Garafalo M, Harris S, Nightingale B, Youre-Moses A</u>	Quantifying the Stability of Birds' Cultural Niches: Changing Public Perceptions of the North American Avifauna  <u>Schutz JG, Johnston A</u>	*Developmental Experience May Contribute to Adult Female Preferences for Male Mating Signals  <u>Strauss AV, Podos J</u>	Using Comparative Genomics to Investigate Non-Geographic Drivers of Divergence and Introgression in Panamanian Birds  <u>McLaughlin JF</u>
1445	Long-Term Effects of Early-Life Stress on the HPA Axis in a Short- And Long-Lived Bird  <u>Grace JK, Anderson DJ, Angelier F</u>	*Spatial Patterns of Habitat Use of the Sierra Madre Sparrow, Mexican and Endemic Mountain Bird, in Milpa Alta, Mexico City  <u>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</u>	Assessing Halogenated Marine Persistent Organic Pollutants in the Critically Endangered California Condor and Their Marine Mammal Prey  <u>Stack ME, Hoh E, Dodder N, Tubbs C, Vilchis I, Felton R, Johnson J</u>	Minimizing All-Terrain Vehicle Impact in Bird Habitat: Reconciling Harvest and Conservation on Private Land in Western Alaska  <u>Naneng W, Maroney RL, Naneng M, Tinker W</u>	Morphologically, Genetically and Vocally Divergent Warbling Vireo Subspecies Exhibit Indiscriminate Aggression Toward Intruders in a New Contact Zone  <u>Spellman GM, Hammond A, Zhang T</u>	Differences in Introgression Across Two Hybrid Zones in the Great Plains  <u>Billerman SM, Walsh J, Butcher BG, Lovette IJ</u>
1500	Do High-Energy Lifestyles in Birds Promote High Maximal Metabolic Capacities?  <u>Swanson DL, Thomas NE, Zhang Y</u>	*Effects of Lead Exposure on Reproductive Success and Extra-Pair Paternity in a Common Urban Songbird  <u>Hitt LG, Khalil S, Blanchette A, Finkelstein ME, Ribeiro RD, Iverson EN, McClelland SC, Karubian J</u>	The Effects of Climate, Habitat, and Diet on Methylmercury Bioavailability for New York Songbirds  <u>Adams EM, Sauer AK, Lane O, Regan K, Evers DC</u>	Prioritizing Regional Landscapes to Achieve Biological and Social Objectives Through Bird Habitat Conservation  <u>Soulliere GJ, Al-Saffer MA</u>	*What Drives Flexible Signaling? Anthropogenic Noise and Social Context Affect Male House Wren Vocal Behavior  <u>Grabarczyk EE, Vonhof MJ, Gill SA</u>	Evolutionary Genomics of Variable Carotenoid-Based Ornamentation in the Red-Backed Fairywren  <u>Khalil S, Walsh J, Embody ED, Baldassarre DT, Webster MS, Karubian J</u>
1515	From Shallow to Deep: A Torpor Spectrum in Hummingbirds Uncovered Using Thermal Imaging  <u>Shankar A, Cisneros IN, Thompson S, Graham CH, Powers DR</u>	The Role of Song in Reproductive Isolation in Two Newly Overlapping White-Crowned Sparrow ( <i>Zonotrichia Leucophrys</i> ) Subspecies  <u>Brooks WE, Wimberger PH, Rouse ML</u>	Are Wetlands Hotspots for Bioaccumulation of Mercury in Songbirds?  <u>Brasso RL, Rittenhouse KA, Winder VL</u>	Land Trusts and Birds: Partners in Strategic Conservation  <u>Rodewald AD, Swarthout SB, Dayer AA, Rohrbaugh RW</u>	Who is There? Response to Different Type of Territorial Intruders  <u>Sandoval L, Hamzaj T, Bonilla K, Gutierrez I</u>	Hybrid Zones and the Development of Reproductive Isolation in Flooded Versus Terra Firme Forest Birds of the Amazon  <u>Weir JT</u>
<b>COFFEE BREAK</b>						

# Thursday, Late Afternoon Session

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Room	Atwood Hall	Cook Theatre	Summit 1	Summit 2	Summit 3	Summit 4
Session	Genomics & Systematics S61	Behavior S62	Symposium Cross-Pacific Migration: How the Impossible Becomes Commonplace (Ruthrauff & Gill) S63	Symposium Molecular Ecology is for the Birds: Using Molecular Techniques to Advance Our Understanding of Avian Ecology (Jusino & Lorenz) S64	Conservation S65	Migration & Stopover S66
1600	Identifying and Characterizing Transposable Element Polymorphisms in the Northern Flicker ( <i>Colaptes Auratus</i> ) 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 JM</i>	Migratory Patterns of Sooty Shearwaters ( <i>Ardenna Grisea</i> ) Across the Pacific Ocean  <i>Shaffer SA, Harrison A</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 CM</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>	*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>	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 ( <i>Calidris Canutus</i> ) in the Southeastern U.S  <i>Tuma ME, Powell AN</i>
1630	Phylogeny of the Hawaiian Thrushes ( <i>Myadestes</i> ) Based on UCE and Mitochondrial DNA Sequences  <i>Fleischer RC, McInerney N, McIntosh CE, Sonsthagen SA, 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>	Cross-Seasonal Interactions: The Pacific as the World's Greatest Theater of Bird Migration  <i>Piersma T</i>	Using Box-Nesting Birds to Explore Methods in Studying Developmental Immunity and Gut Microbiota  <i>Knutie SA</i>	Effects of Translocation on Burrowing Owl ( <i>Athene Cunicularia</i> ) Survival, Fidelity, and Nesting Rates in Arizona  <i>Doublet D, 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 ( <i>Xanthocephalus Xanthocephalus</i> )  <i>Harms TM, Behrens C, Ruff ZJ, Dinsmore SJ</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 KC</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 Jr 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>

# Thursday, Late Afternoon Session

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Room	Summit 5	Summit 6	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	<b>Human Dimensions &amp; Policy</b> S67	<b>Symposium Undergrad Symposium</b> S68	<b>Urban Ecology</b> S69	<b>Symposium Permeable Boundaries in Biological and Social Sciences: Human Dimensions in Bird Research and Conservation (Naves et AL.)</b> S70	<b>Morphology &amp; Molt</b> S71	<b>Symposium Lessons from Avian Hybrid Zones and the Maintenance of Species Boundaries (Aguillon et AL.)</b> S72
1600	*Wedge-Tailed Shearwater Persistence in Human-Dominated Areas  <i>Idle JL, Friswold BM, Harmon KC, Price MR</i>	*Development, Not Bird Feeders, is Associated with Increased Occupancy of Northern Cardinals in Northern Michigan  <i>Toner SM, Bonter DN</i>	*Investigating the Influence of Polarized Light and Artificial Night Lighting on Bird-Building Collisions  <i>Lao S, Anderson AW, Blair RB, Eckles JW, Robertson BA, Turner RJ, Loss SR</i>	*Aspects of Municipalities Associated with Occupancy and Abundance of Chimney Swifts in Illinois  <i>Hurd ML, Benson TJ, Ward MP</i>	The Role of Diet and Nesting in Bill Shape Diversification of Frugivorous Asian Barbets  <i>Krishnan A, Souza N, Reddy S</i>	Hybridization in Northern Flickers Reveals Loci Associated with Feather Coloration  <i>Aguillon SM, Lovette IJ</i>
1615	If You Build It, They Will Come: Avian Utilization and Predation at a Large-Scale Photovoltaic Solar Facility  <i>Griffiths JL, Meade DE, Dart JD</i>	*Integrating Machine Learning and Citizen Science Data to Generate High-Performing Species Distribution Models for the Globally Vulnerable Gray Tinamou (Tinamus Tao)  <i>Wiebe RA</i>	Urbanization and Elevated Cholesterol in American Crows  <i>Townsend AK, Staab H, Barker CM</i>	Cross-Cultural Considerations in Wildlife Management and Conservation  <i>Leonetti CC</i>	Glare Reduction Properties of Dark Avian Facial Markings  <i>Lebow CK, Burt DB</i>	Cardinals Are Red, Buntings Are Blue; Because They Hybridize, They're Interesting Too!  <i>Megna LC, Carling MD</i>
1630	Year-Round Monitoring Reveals a Unique Seasonal Pattern of Bird-Window Collisions Along the Pacific Coast of North America  <i>De Groot KL, Porter AN, Norris AR, Huang AC</i>	*Modeling Persistent Effects of West Nile Virus on Avian Population Dynamics in the Northeastern United States  <i>Dupont GL, Bonter DN, Robinson OJ</i>		Sustainability in Long-Term Collaborations: The Harvest Assessment Program of the Alaska Migratory Bird Co-Management Council  <i>Naves LC, Fall J, Tulik C, Pederson M, Keating JM, Fischer J, Schwalenberg P</i>	Evolution of Molt-Migration: a Large-Scale Phylogenetic Approach  <i>Pageau C, Reudink MW</i>	Sex Chromosome Inversions May Enforce Reproductive Isolation Across an Avian Hybrid Zone  <i>Hooper DM, Griffith SC, Price TD</i>
1645	Engaging Undergraduate Students in an Authentic Course-Based Research Experience Using Archived Nest Video Footage  <i>Stracey CM</i>	Panel Discussion	Relationships Between Local- And Landscape-Scale Management and Urban Bird Communities Across Six Major Metropolitan Areas: Do Yards Matter?  <i>Narango DL, Lerman SB, Hall SJ, Hobbie SE, Neill C, Trammell TL, Groffman P</i>	Banding Together to Learn and Preserve: 25 Years of Research in Cross-Cultural Western Alaska  <i>Ely CR</i>	Molt-Migration in the Mexican Monsoon: 90 Years of Specimens Reveal a Phenological Mismatch Caused by Anthropogenic Climate Change  <i>Terrill RS, Tsai WL, Maley JM, Rohwer S, Pimm G, McCormack JE</i>	Genomic and Morphological Approaches to Understanding Speciation in Jamaican-Endemic Streamertail Hummingbirds  <i>Judy CD, Brumfield RT, Graves GR</i>
1700	Engaging with Veterinarians to Reduce Cat Overpopulation and Cat Impacts on Wildlife Populations  <i>Sherwood LJ, Wilson AG, South CS, Roche SM, Luszczyk TM</i>		Songbirds Alter Their Use of Bird Feeders in Response to Vocalization Playback  <i>Barron DG, Sarna SD, Middleton RL</i>	Human Dimensions Applications in Shorebird Subsistence Harvest and Indigenous Knowledge in Alaska  <i>Keating JM, Naves LC, Tibbitts TL, Ruthrauff DR</i>	Simultaneous Rectrix Molt and Comparative Molt Ecology of Eastern Wood-Warblers  <i>Mumme RL, Mulvihill RS</i>	Ancient and Contemporary Hybridization Amongst Wood Warblers  <i>Toews DP, Taylor SA, Streby H, Kramer G, Brennan C, Jones A, Lovette IJ</i>
1715	Evaluating Bird Feeders as Tools to Connect People with Nature, and Challenges Associated with Middle School Interventions  <i>Hammond RL, Theimer TC</i>		*Effects of Habitat Type on Provisioning Florida Burrowing Owl Space Use and Movements  <i>Rose EH, Boughton RK</i>	Panel Discussion  <i>Daye A</i>	Bill Size Evolution in Response to Human-Mediated Ecological Change in a Tidal Marsh Songbird  <i>Benham PM, Bowie RC</i>	Assessing Assortative Mating in Hybrid Zones  <i>Scordato ES</i>



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COFFEE BREAK



# Friday, Late Afternoon Session

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Room	Arteaga Theatre	Cook Theatre	Summit 1	Summit 2	Summit 3	Summit 4
Session	Conservation S97	Symposium Long-term Studies of Cavity-nesting Birds: Windows into Environmental Change (Duckworth & Fair) S98	Migration & Stopover S99	Symposium Seabirds on the Edge of Two Worlds: Ecology and Conservation of Brachyramphus Murrelets in Marine and Terrestrial Environments (Rivers & Kissling) S100	Genomics S101	Behavior S102
1600	Site Fidelity and Pairing Behavior in a Wintering Population of American Kestrels in North Texas  <u>Biles KS, Bednarz JC</u>	Long-Term Dynamics of Tree-Cavity-Nesting Communities in Temperate and Subtropical Forests	Global Trends in Avian Partial Migration: a Meta-Analysis  <u>Zavaleta ES</u>	Breeding Season Movements and Marine Habitat Use by the Marbled Murrelet in Oregon  <u>Garcia-Heras M, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW</u>	Population Genomics of Greater White-Fronted Goose  <u>Wilson RE, Sonsthagen SA, Ely CR, Talbot SL, DaCosta JM, Sorenson MD, Scribner KT, Weaver M, Skalos D</u>	Timing of Breeding in American Coots: Bet-Hedging Against Nest Predation When Reproductive Performance Declines with Season  <u>Lyon BE</u>
1615	Life on the Edge: Density and Demography of Marsh Wrens and Seaside Sparrows in Northeastern Florida  <u>Schwarzer AC, Cox WA</u>	<u>Norris AR, Cockle KL, Wiebe KL, Trzcinski MK, Edworthy AB, Martin K</u>	Migration of Buff-Breasted Sandpipers at Two Key Regions in the Mid-Continent: Northern Gulf of Mexico and the Flint Hills  <u>Lyons JE, Andres BA, Penner RL, Stone K, Wolfenbarger LL</u>	Distribution and Use of Freshwater Habitats by Kittlitz's Murrelets on Lakes in the Lower Wood River Lake System, Alaska  <u>Nesvacil KA, Pendleton G, Swaim M, Walsh P</u>	The Long and the Short of It: Linking Genome-Wide Signatures of Selection Across Evolutionary Timescales in Birds  <u>Shultz AJ, Arnold B, Sackton TB</u>	Manipulated Sex Ratios Alter Group Structure and Cooperation in the Brown-Headed Nuthatch  <u>Cox JA, Cusick JA, DuVal EH</u>
1630	Saving the Kiwikiu (Pseudonestor Xanthophrys): Recovery Efforts in Maui, Hawaii  <u>Mounce HL, Farmer C, Berry L, Masuda B, Warren C, Berthold L, Duvall F</u>	Population Increases Despite Habitat Saturation: What Can We Learn from Five Decades of Research?  <u>Walters EL, Hagemeyer ND, Barve S, Pesendorfer MB, Koenig WD</u>	Migratory Bird Twilight Ascent and Descent Rates Along the Southwestern Shoreline of Lake Erie  <u>Wellik MJ, Kirsch EM, Sheildcastle M</u>	Seasonal Offshore Distribution and Habitat Use of Brachyramphus Murrelets in Alaska  <u>Labunski EA, Kuletz K, Osnas E</u>	Comparative Genomic Structure Within Alaskan Galliforms  <u>Sonsthagen SA, Wilson RE, Merizon RA, Talbot SL</u>	Helpers Mitigate Negative Effects of Predation Threat in the Cooperatively Breeding Purple-Backed Fairy Wren  <u>Meyer DK, Kinnebrew E, Pruett-Jones S, Johnson AE</u>
1645	Forest Area Required to Support Landbird Population Goals for the Mississippi Alluvial Valley  <u>Twedt DJ, Mini A</u>	Consequences of Long-Term Habitat Change and Resource Selection for Population Limitation in Cavity-Nesting Birds  <u>Martin TE</u>	Migratory Behavior of the Western Burrowing Owl: Connecting Canada, United States, and Mexico  <u>Conway CJ, Wellicome TI, Johnson DH, Conley JL, Lundblad CG, Bruinsma DR, Fisher RJ</u>	Consistent Post-Breeding Movements of Marbled Murrelet from British Columbia to Alaska (2014-2016)  <u>Bertram DF, MacDonald CA, O'Hara PD, Cragg JL, Corcoran R, Greene R, Woo K</u>		
1700	Do Piping Plovers in the Northern Great Plains Function as a Metapopulation & Why Does it Matter for Conservation?  <u>Anteau MJ, Swift RJ, Sherfy MH, Toy DL, Ring MM</u>			Post-Breeding Migration of Kittlitz's Murrelets from the Gulf of Alaska to the Bering Sea and Beyond  <u>Douglas DC, Piatt JF, Arimitsu ML, Madison EN, Kissling ML, Schoen SK</u>		
1715		Panel Discussion  <u>Fair J</u>				

# Friday, Late Afternoon Session

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Room	Summit 5	Summit 7/8	Summit 9/10	Summit 11/12	Summit 13/14
Session	<b>Management &amp; Policy</b> S103	<b>Symposium</b> <b>Counting Unmarked Birds: Matching Appropriate Sampling and Modeling Techniques with Particular Research Questions (Latif &amp; Valente)</b> S105	<b>Symposium</b> <b>Wild Birds and the One Health Initiative: Dynamic Boundaries Affect the Health of Birds, Livestock, Humans, and the Environment (Ramey)</b> S106	<b>Symposium</b> <b>Translational Ecology - Producing Actionable Science (Saunders et AL.)</b> S107	<b>Symposium</b> <b>The Future of Global Bird Trait Datasets: A Game-changing Resource for Macroecology, Macroevolution and Conservation Biology? (Tobias et AL.)</b> S108
1600	The NSF is Growing Pathways to STEM for Rural Community College Students via Community Partnerships and Intensive Mentoring  <u>Gillespie LM, Heinisch S, Grandgenett N</u>	A General Framework to Integrate Repeated Count and Mark-Resight Data  <u>Rushing CS, Hostetter NJ, Boettcher R, Lyons J</u>	It's Not Just Flowerpots and Tires: Defining the Impacts of West Nile Virus on a Woodland Bird, Ruffed Grouse	Audubon's Vision: Restoring the Gulf of Mexico for Birds and People  <u>Lankford KE</u>	Responses of Bird and Plant Communities to Global Change: Coupled or Decoupled?  <u>Schleuning M</u>
1615	Landscape Composition Explains High Rates of Dispersal in Translocated Lesser Prairie-Chickens  <u>Berigan LA, Aulicky C, Sullins D, Haukos D, Fricke K, Reitz J, Rossi L, Schultz K</u>	The Potential of Citizen Science Data for Population Monitoring  <u>Johnston AA, Strimas-Mackey ME, Hochachka WM, Robinson OJ, Ruiz Gutierrez VV, Miller E, Auer MT, Fink D</u>	<u>Williams LM, Brown JD, Nemeth NM, Hutchinson ML, Helwig MW, Kyle AD</u>	Using Structured Decision Making to Connect Bird Monitoring to Restoration Decision-Making  <u>Adams EM, Fournier AM, Lyons JE, Wilson R, Gleason JS, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</u>	Avian Functional Traits and the Impacts of Climate Change on Ecosystem Function  <u>Pigot AL, Trisos C, Merow C, Tobias JA</u>
1630	The Interactive Effects of Fire and Recreation on Golden Eagles  <u>Davis CM, Heath JA</u>	Scaling Up by Integrating Standardized and Unstandardized, Community Science Count Data: a Case Study in the Upper Mississippi River  <u>Michel NL, Meehan TD, Saunders SP</u>	Urban White Ibises Facing Trade-Offs in South Florida  <u>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</u>	A Strategic Plan for Monitoring Birds in the Gulf of Mexico: Translating Stakeholder Values into Priorities  <u>Fournier AM, Lyons JE, Wilson R, Gleason JS, Adams EM, Brush JM, Cooper RJ, DeMaso SJ, Driscoll MJ, Frederick PC, Jodice PG, Reeves DB</u>	How Trait Data Help Improve Avian Biodiversity Forecasts Under Global Change  <u>Zurell D</u>
1645	Duration of Corvid Response to Forest Restoration Thinning: Implications for Conservation of the Threatened Marbled Murrelet  <u>Hagar JC, Waianuhe LK</u>	Designing a Bird Survey for Latin America: The PROALAS Protocol in EBird  <u>Ruiz-Gutierrez VV, Lello-Smith A, Ortega Alvarez R</u>	Lessons Learned from Research and Surveillance Directed at Highly Pathogenic Influenza Viruses in Wild Birds of North America  <u>Ramey AM, DeLiberto TJ, Berhane Y, Swayne DE, Stallknecht DE</u>	Golden-Winged Warbler Conservation: Using Science to Take Action  <u>Fowle MR, LaBarr MS, Barker SE</u>	The Impacts of Diversity and Assembly History on Community Vulnerability  <u>Weeks BC, Tobias JA</u>
1700	Effective Multi-Scale Governance for Migratory Shorebirds: Lessons from the EAAF and an Australian Wetland Site  <u>Hamman EV</u>	Panel Discussion		An Assessment of Ecological Value and Vulnerability in the Bering, Chukchi, and Beaufort Seas  <u>Smith MA, Goldman M, Knight E, Sullender B</u>	Panel Discussion
1715			Panel Discussion	Synthesizing Full Annual Cycle Science and Threats to Drive Conservation and Policy Actions for North American Migratory Birds  <u>Deppe JL, Auer T, Knight E, Langham GM, Marra P, Mackenzie S, Rosenberg K, Smith M, Taylor L</u>	