Session
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Session	Behavior	Conservation	Tropical & General Ecology	Molecular Ecology	Foraging & Food Habits	Biogeography	Sym: Tackling the Impacts of
			(Sacration)				Free-ranging Cats on Birds & People
10:30	*Exploratory behavior in wild chickadees: contrasting two field methods Polekoff SE, Bennett BL, Curry RL	Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers Hunt KL, Gibson D, Catlin DH, Friedrich MJ, Huber CJ, Fraser JD	*Lack of nest defense behavior leaves endemic Caribbean ground-nesting birds more vulnerable to depredation by invasive mammals Garrod HM, Curry RL	*Finess consequences of hybridization in Saltmarsh and Nelson's sparrows Maxwell LM, Walsh J, Olsen BJ, Kovach AI	*Parasitic Indicators of Foraging Strategies in Wading Birds-A Great Blue Heron Case Study Gumbleton SE, Kerstetter DW, Blanar CA, Hirons AC	*Reconstructing the geographic origin of the New World jays Fernando SW, Peterson AT,	Cats in Australia: numbers, management and impact on birds Legge SM, Woinarski JC
10:45	Using GPS Marks to Estimate Daily Rates of Lek Attendance and Lek Switching in Male Greater Sage-Grouse Wann GT, Coates PS, Prochazka BG, Ricca MA	Movements and demography of the Brown-capped Rosy-Finch George L, George T, Zavaleta E, VanBuskirk R, Spellman G	*Annual habitat selection of the endangered, island-endemic Hawaiian Duck on Kauai Malachowski CP, Dugger BD, Reynolds MH, Uyehara	*Characterizing the Northwestern Crow-American Crow hybrid zone using genetic data from 150 years of museum specimens Slager DL, Epperly KL, Klicka J	*Breeding season prey selection trends by the Little Blue Heron (Egretta caerulea) in coastal south Florida Kohler ER, Gawlik DE, Martinez M, Romanach SS	Sorting of some basic concepts associated with diversification in birds Bates JM	
11:00	*Do birds of a feather covey together? Social networks and pair bonding within a sympatric Callipepla quail population Zonana DM, Gee JM, Bridge ES, Doak DF	Does diet composition or habitat biogeochemistry drive mercury concentration in a threatened wetland bird? Hall LA, Woo I, De La Cruz SE, Marvin-DiPasquale M, Krabbenhoft DP,	*Breeding bird use of restored shallow lakes in Iowa Vanausdall RA, Dinsmore SJ	DNA metabarcoding reveals dietary shifts in response to acidification in a stream-dependent Neotropical migrant Trevelline BK, , Nuttle T, Porter BA, Brouwer NL, Hoenig BD, Latta SC	*Condition-dependent foraging strategies of brown pelicans (Pelecanus occidentalis) in the northern Gulf of Mexico Geary B. Walter ST. Leberg PL, Karubian J	Definition of arid-Zone Carduelini Finches by DNA Phylogeography: American and Asian G. Carpodacus is Taxonomically Split Arnaiz-Villena A, Palacio-Gruber J, Campos C, Muniz E	A review of the impacts of free-ranging domestic cats on North American wildlife Loss SR, Marra PP
11:15	Social and Ecological Influences on Repertoire Size Across Birds Leighton GM	How does EPA assess risks of chemicals to birds?	*Can citizen scientists provide reliable avian count data in low diversity neotropical areas? Bergen NP, Koper N	Investigating the molting and migration strategy of the Painted Bunting through genomics and stable isotopes Contina A, Kelly J, Bridge E, Ruegg K	*Dietary niche dynamics of two alcids in northeastern Newfoundland under varying prey availability Gulka JE, Davoren GK	Three Exitrpated Ice-Age Birds in the Bahamas Steadman DW, Oswald JA, Takano OM, Franklin J	The role of domestic cats in the admission of injured birds to rehabilitation and rescue centers Loyd KT, McRuer DL, Hernandez SM
11:30	*Environmental temperature and human disturbance affect Least Tern (Sternula antillarum) incubation behavior and egg temperatures	Regional Occupancy and Post-fire Recovery of California Gnatcatchers in Southern California Kus BE, Preston KL, Houston A	Theory of trophic specialization in Neotropical insectivorous birds, and implications for resource partitioning and the niche Sherry TW, Kent C, Sanchez N, Sekercioglu CH	Within-group relatedness explains patterns of cooperation and reproductive sharing in the chesmut-crested yuhina Kaixer SA, Martin TE, Oteyza JC, Danner JE, Armstad C, Fleischer RC	Picky eaters: An undergraduate laboratory exercise Bowlin MS	Testing the ancient Amazonian origins of a group of open-habitat suboscine birds (Pachyramphus) Musher LJ, Auerbach A, McKay JS, Cracraft J	Feral Cats and One Health Justice-Allen A
11:45	Apparent buffering of population decline after habitat loss in an endangered cooperatively breeding songbird Mortensen JL, Temple HJ, Curry RL, Reed J	*Assessing the impacts of Burmese pythons on wading bird nesting colonies in the Everglades of Florida Orzechowski SC, Hunter ME, Romagosa CM, Frederick PC	Bahama Orioles in the Pine Forest: Documentation of New Breeding Habitat and Higher Population Densities Improve Prospects for a Critically Endangered Species Omland K, Johnson S, Stanley R, Stanley C, Stallett T, Shelley C,	*Elucidating Black-capped Vireo movement ecology in central Texas using genetics and modeling Hauser SS, Walker L, Leberg	*Winter diet composition of Montezuma quail in southern Arizona Lopez Bujanda OE, Macias Duarre A, Castillo Gamez RA, Montoya AB	*Biogeography and trait evolution of the pantropical avian order Coracitiformes McCullough JM, Moyle RG, Smith BT, Andersen MJ	Look What the Cat Dragged In: Human Diseases Duffy DC, Duffy DC
			1 1	LUNCH BREAK			

Wednesday, Early Afternoon Session

Room	A gave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Songs & Vocalizations	Conservation	Management & Policy	Evolution	Sym: Underlying Mechanisms of Avian Hybridization	Phylogenetics	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
13:30	Vocal performance correlations to beak morphology are disrupted by local dialect adherence Ross JD, Pandit MM, Bouzat JL	Conservation of Henslow's Sparrow in the Chicago Metropolitan Area: An Area With Surprisingly Good Long-term Potential Herkert JR	Biological control of tamarisk reduces bird abundance, density and richness: Implications for southwestern riparian habitat and management Mahoney SM. Johnson MJ, Holmes JA	Genomic Consequences of Secondary Contact in the Kolombangara White-eyes Cowles SA, Uy JC	Underlying Mechanisms of Avian Hybridization: Process to Pattern Safran RJ, Taylor SA	Phylogeny, taxonomy and geographic diversity of diurnal raptors Mindell DP, Fuchs J, Johnson JA	The life cycle of Toxoplasma gondii and its impact on wildlife Barbieri MM
13:45	Selection pressures tied to elaborate female and male song across Fairy-wrens Odom KJ, Cain KE, Hall ML, Karubian J, Enbody ED, Webster MS	*Landscape context, vegetation structure, or plant identity? Investigating potential drivers in site selection by shrubland birds Ripple KE, Stodola K, Zaya DN, Merrill L, Benson T,	Twenty-five Year Impact of the Northwest Forest Plan on Forest Composition and Bird Populations Betts MG	Barriers to gene flow and speciation in the yellow-rumped warbler Pierce DK, Toews DP, Irwin DE, Brelsford A		New material of Pellomis clarifies pattern and timing of the extant gruiform radiation Musser GM, Field DJ, Ksepka D	Estimating free-ranging cat abundance: an overview of techniques, study designs, and models Cove MV
14:00	High frequency vocalizations of the Black Jacobin, a hummingbird of the Topaz clade Olson CR, Fernandez-Peters M, Portfors CV, Mello CV	*Examining the microclimate hypothesis in Neotropical birds: indirect tests of the 'visual constraints' mechanism Rutt CL, Midway SR, Jirinec V, Stouffer PC	What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape Streby HM, Kramer GR, Peterson SM, Daly KO, Andersen DE	Domestic pigeon's checkered past: a link between wing color patterning, introgression, and hereditary blindness Vickrey AI, Bruders R, Kronenberg Z, Osborne E, Yandell M, Shapiro M	*Female competition facilitates hybridization in sex-role reversed jacanas Lipshutz SE, Derryberry EP	Uneven missing data skews phylogenomic relationships within the lories and lorikeets Smith BT, Mauck WM, Benz BW, Andersen MJ	Managing the CATastrophe: exploring the options for reducing the numbers of free-roaming felines Cherkassky LM
14:15	Call urgency level predicts the response of a Neotropical bird community: mobbing versus distress call response Sandoval L, Corrales J	*Characterizing adult and juvenile use of red-pine dominated plantations in Wisconsin's population of Kirdland's warblers Hannah AM, Grveles K, Warner S, Lopez D, Ribic C, Pidgeon A	eBird records show substantial growth of the Allen's Hummingbird population in urban Southern California	*Testing for ecological speciation across an elevational gradient in New Guinea forest kingfishers Linck EB, Freeman BG, Dumbacher JP, Klicka J	Learning and memory deficiencies in hybrid chickadees as a potential postrygotic reproductive isolating barrier Rice AM, McQuillan MA	*Phylogenetic relationships of weaverbirds: A first species-level molecular phylogeny of the family Ploceidae De Silva TN, Peterson AT	Hawaii as a case study in free-ranging cat problems and solutions in the United States Lepczyk CA
14:30	*Novel analysis of isolate song reveals interspecific variation in learned components Love JW	*Declining old-forest species as a legacy of large trees lost Jones GM, Keane JJ, Guiierrez RJ, Peery MZ	*Using Structured Decision Making to Balance Stakeholder Objectives for Red-cockaded Woodpecker Management Brown EJ, Ferguson PF	Phylogeny of avian orders based on genome-wide coalescent analysis of insertion/deletion mutations (indels) Houde P. Braun EL, Mir Arabbaygi S	*Genome-wide patterns of divergence in Passerina and Cyanocompsa buntings Megna LC, Carling MD	*Unexpected conspecific Leucocytozoon infection in woodpeckers and passerines Groff TC, Lorenz T, Sehgal R	Utilizing social science to advance the dialogue about free-ranging domestic cats Gramza AR, Leong K, Lepczyk C, Teel TL, Crooks
14:45	Do Grasshopper Sparrows have a Caribbean accent? Lohr B	Avian Response to Implementation of Cerulean Warbler Habitat Management Guidelines Wood PB, Nareff G, Larkin J, Ford M, Fearer T	Incorporating Woodpecker Habitat into Design of Post-Fire Salvage Logging Saab VA, Latif QS, Dudley JG	Spatiotemporal structuring and genomic architecture of multiple transects across an avian hybrid zone Curry CM, Patten MA, Weir	Hybridization and introgression after the 19th century invasion of Glossy Dis (Plegadis falcinellus) into the New World Brumfield RT. Oswald JA, Harvey MG, Remsen RC, Foxworth DU, Dittmann DL	Integrative taxonomy of the northern White-browed Shortwing Brachypteryx montana taxa supports recognition of three species Rasmussen PC, Alstrom P, Canwei X, Gelang M, Yang L, Cheen G	Legal considerations for addressing feral and free-ranging cats at the State level
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Presidio V	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People	National and International Legal Approaches to Curbing Cat Predation Hunter DB	Free-ranging Cats: Strategies and Challenges from the Front Lines of Conservation Sizemore GC	DISCUSSION	DISCUSSION	DISCUSSION	DISCUSSION
Presidio III-IV	Sym: Early Professional Mini Talks	Intro: Christopher Tonra (15:30) Elizabeth A Gow (15:35) Brian C Weeks (15:40)	Dan Gibson (15:45) Karan J Odom (15:50) Andrew J Boyce (15:55)	Philina A English (16:00) Erik D Enbody (16:05) Alex E Jahn (16:10)	Michael G Harvey (16:15) Katie LaBarbera (16:20) Richard A Stanton (16:25)	Benjamin G Freeman (16:30) Sara E Lipshutz (16:35) Conclusion: Sara A Kaiser (16:40)	Q&A Panel (16:45)
Presidio II	Sym: Underlying Mechanisms of Avian Hybridization	Anthropogenic habitat disturbances and hybridization Grabenstein KC	The role of migratory behavior in reproductive isolation at avian hybrid zones Turbek SP, Scordato ES, Sefran RJ	High recombination rate might contribute to intricate speciation patterns in the White wagtail (Motacilla alba) Semenov GA, Basheva E, Borodin PM, Torgasheva A, Scordaro ES, Khaydarov DR	Genomics of Admixture and Asymmetrical Introgression Between Two Ecologically Divergent Sparrow Species Walsh JL, Kovach AI, Olsen BJ, Shriver G, Lovette II,	Introgression across the Great Plains towhee hybrid zone characterized with historical DNA Billerman SM, Butcher BG, Lovette IJ	Selection counteracts gene flow in the maintenance of color differences between subspecies of a monarch flycatcher Uy JC, Cooper EA
Presidio I	Genomics & Evolution	Genomic data provide a flicker of hope for differentiating taxa in the Northern Flicker complex Aguillon SM, Campagna L, Harrison RG, Lovette IJ	Extraordinary genetic similarity between Rufous and Allen's hummingbirds inferred from whole genome sequences Breisford A. Lagunas-Robles G, Myers B, Burns K, Clark C	A comparison of genetic variability in the cytochrome c oxidase gene between sparrows and nuthatches Penn JK, Penn JK, Fernandez M, Malloy M	Indirect genetic effects and the assortivity of cooperative phenotypes in the social networks of a lek-breeding bird Ryder TB, Dakin R	Phylogeny of all passerine families reveal a diversification history tied to Cenozoic global climate Oliveros CH, Field DJ, Ksepka DT, Barker F, Moyle RG, Faircloth BC	Identifying the Genetic Control and Role of Pleiotropy in Melanin Pigmentation with the Eastern Screech-owl (Megascops asio) Kurris SM, Schmitt J,
Coronado II							
Coronado I							
Agave II-III							
Room	Session	15:30	15:45	16:00	16:15	16:30	16:45

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Session	Population Biology/Dynamics	Migration & Stopover	Landscape Ecology	Models & Emerging Tools	Habitat Change\Relationships	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Genomics to Understanding Adaptation & Diversification
10:30	Swainson's Hawk Recruitment: Environmental Impacts and Trends Across Three Decades Vennum CR, Briggs CW, Street PA, Collopy MW, Woodbridge B, Koons D	Partners in Flight: A proactive, voluntary, and scientific approach to bird conservation Rosenberg KV, Bayly NJ, de Pilar Caicedo A	*Impact of Nesting Microhabitat and Foraging Habitat on the Nesting Site Selection of the Northern Black Swift (Cypseloides niger borealis) Single AJ, Van Laar T, Gunn C, Potter K	Bioacoustic Monitoring reveals exact timing of courtship, incubation, haching, and fledging of a Tricolored Blackbird colony Schackwitz WS, Greene AM, Woodruff JM	*Avian communities are decreasing with piñon pine mortality in the southwest Bartlow AW Hathcock CD, Fair JM	Ecology and conservation of grassland birds of the Great Plains: challenges and opportunities George L. Panjabi AO, George T, Beh A	Avian diversification in biodiversity hotspots Younger JL, Strozier L, Maddox D, Raherildao MJ, Goodman SM, Reddy S
10:45	Research Recommendations for Understanding the Decline of American Kestrels (Falco sparverius) Across Much of North America Schulwitz SE. McClure CI, Van Buskirk R, Pauli BP, Heath JA	*Weather over the Gulf of Mexico influences broad-scale stopover patterns of migrating birds in the spring Clipp HL, Cohen EB, Smolinsky JA, Buter JJ	*A landscape approach to understanding breeding habitat of a rapidly declining migratory songbird Schold EK, Bulluck LP	*Evening point counts produce similar occupancy estimates as morning point counts for many species	*The effects of bison reintroduction on grassland nesting birds in tallgrass prairie Herakovich HA, Jones HP	Global reduction in greenhouse gas emissions diminishes climate change vulnerability of grassland birds in North America Wilsey CB, Taylor L, Bateman B, Panjabi A, Langham G,	How do geographic barriers structure population genomic variation in Philippine birds? Hosner PA, Moyle RG
11:00	Effects of Habitat Loss and Nesting Density on Survival and Breeding Propensity of an Endangered Shorebird Catlin DH, Gibson D, Hunt KL, Friedrich MJ, Weithman CE, Fraser JD	How migrating songbirds survive crossing the Gulf of Mexico in autumn Ward MP, Benson TJ, Deppe J, Zenzal TJ, Diehl R, Celis-Murillo A	Using the Gradient Concept to Visualize Breeding Bird Richness and Woody Structure Relationships on South Texas Rangelands Ortiz JL, Conkey AA, Breman LA, Perotto-Baldivieso HL, Wester DB, Lombardi JV	Identifying error in forest bird landscape capability models Loman ZG, Harrison D, Deluca WV, Loftin CS, Rolek BW, Wood PB	*Burnin' for you: an evaluation of turkey habitat use in response to prescribed fire fire Parker CM, Hoover J, Benson T, Schelsky W, Garver L,	Physiology and behavior of grassland songbirds exposed to oil wells and anthropogenic noise Koper N, Des Brisay P, Heathcote A, Ng C, Curry C,	Selection on pigmentation genes leads to rapid phenotypic evolution in a finch radiation Campagna L, Campagna L, Lovette I
11:15	Contrasting responses of neighboring piping plover populations toward habitat creation, conservation, and potential disturbance Kwon E, Weithman CE, Catlin DH, Karpanry SM, Fraser JD,	Fifty years and still eating the same: a tale of refueling performance from two long-term banding stations Crary AL, DeGroote LW, Shieldcastle MC, Streby HM	*Avian Feeding Guild Responses to Forest Fragmentation in Costa Rica Cox CM, Nibbelink NP	Measuring Total Plasma Protein in Wild Birds Fair JM, Jankowski M, Skinner A, Hatch M	*Measuring Winged Warbler (Vernivora sp) Occupancy as a Function of Landscape Structure at Multiple Spatial Scales in the Champlain Valley of Vernont Lamonde SA, Willey L	Movement ecology of grassland sparrows and why it matters for conservation Boyle A	Ecological and biogeographical drivers of diversification in New World suboscine birds (Aves; Tyranni) Harvey MG, Bravo G, Claramunt S, Derryberry G, Derryberry EP, Brunfield RT
11:30	*Home range and habitat use of Baird's and Grasshopper sparrows in the Marfa grasslands, Texas Perez-Ordonez DJ, Titulaer M, Baeza-Tarin F, Strasser EH, Martin R, Harveson L	Spatial and temporal patterns in spring stopover habitat use around the Gulf of Mexico Cohen EB, Buler JJ, Clipp HL, Marra PP	Landscape heterogeneity explains taxonomic, not functional or phylogenetic, bird diversity across agricultural landscapes Ke A. Sibiya M. Reynolds C, McCleery RA, Monadjem A, Fletcher RJ	A bird's eye view of forecasting phenological change across North America Posthumus EE, Crimmins TM, Rosemartin AH	Avian diversity in a fragmented Neotropical landscape: 2003 - 2017 Karubian J, Browne L, Castillo F, Cartillo F, Cartillo F,	Tracking Mountain Plover migration: conservation implications of non-breeding habitat use Pierce AK, Dinsmore SI, Duchartt CJ, Dwyer AM, Jorgensen D, Marra PP	*Genomic approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds Judy CD, Graves GR, Brunfield RT
11:45	Urban intensity influences white-winged dove abundance and survival across the Texas Mathewson HA, McInnerney C, Hall J, Oldenburger S, Frishie M, Schwertner T		The role of seed dispersal by corvids in the recovery of oak habitat on California's largest islands Pesendorfer MB, Sillett S, Morrison SA	Fine-scale mapping of coastal plant communities in the northeastern USA: measuring habitat of a declining marsh passerine Correll MD, Hantson W, Hodgman TP, Elphick CS, Shriver WG, Olsen BJ	*Exploring relationships between Eastern Hemlock decline and Louisiana Waterthrush behavior and demographics in Tennessee Bryant LC, Beachy TA,	*Spatial Distribution and Site Fidelity of Long-billed Curlews Wintering in Callfornia and Mexico Coates SE, Carlisle JD	Rapid evolution of plumage traits in African white-eyes: a genomic perspective Bowie RC, Wogan GO, Bi K, Oatley G, Voelker G,
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Room	Agave II-III	Room Agave II-III Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Undergraduate Symposium	Movements & Dispersal	Songs & Vocalizations	Evolutionary Ecology	Sym: Avian-solar Interactions: Impacts on Birds	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Ecology, Evolution & Conservation of Molt-migration
13:30	Call Development in Grasshopper Sparrows Kaur M, Lohr B	*Using eBird data to help inform stable isotope models of migratory connectivity in the Prothonotary Warbler Reese JA, Tonra C, Viverette C, Marra P, Bulluck L,	Loss of Cultural Diversity in Hawaiian Honeycreepers Over the Last 40 Years Paxton KL, Sebastián-González E, Crampton LH, Kuhn D, Hart PJ,	*Ecomorphology of the introduced avian frugivores on the Hawaiian Island of Oahu and how it relates to rapid morphological change Gleditsch JM, Kelley JP, Tarwater CE, Foster JT, Sperry JH,	Overview of solar-avian interactions in the Mojave Desert Dietsch TV	A Baird's life: a full-annual-cycle perspective of Baird's and Grasshopper Sparrows of the Northern Great Plains Correll MD, Bernath-Plaisted J, Strasser EH, Revulcabe-Orrega I, Martinez JH, Titulare M.	Expanding the traditional definition of molt-migration: towards a more comprehensive synthesis of overlap in two life history stages Tonra CM, Reudink M
13:45	Variation in male solo song dialects of White-eared Ground-Sparrows (Melozone leucotis; Passerellidae) through time Bonilla K, Sandoval L	Winter distribution of Atlantic and Great Lakes Piping Plovers Gratto-Trevor CL, Rock J, Shaffer F, Catlin D, Hunt K, Fraser J	*Latitude predicts repertoire size in migratory, but not sedentary, rock wrens (Salpinctes obsoletus) Najar NA, Benedict L	Pattern and paradox in passerine nest types McEntee JP, Burleigh JG	Avian Conservation and Collaboration: Coordinating Research Priorities to Better Understand Avian-Solar Interactions Walston LJ	Response of nomadic grassland birds to temporal variation in habitat conditions Green AW, Pavlacky DC, George TL.	Diversity of Strategies of Remigial Molt among Sea Ducks Ester D
14:00	*Male Song Behavior in a Black-Capped and Carolina Chickadee Hybrid Zone Monroe KA, Curry RL	Tracking the movements of juvenile Wood Thrush (Hylocichla mustelina) at local and national scales to uncover the 'black box' in juvenile dispersal	Rhythms of the Doves Wheelwright NT, Butterworth J, Greenlee RK	*Stress-induced maternal effect links local competitive environment with large-scale changes in population demography Porticary AL, Duckworth RA	Migration through an unforgiving landscape: Implications for addressing solar-avian interaction issues Diehl RH	Effectiveness Monitoring to Evaluate Contributions of Lesser Prairie-Chicken Conservation to Biodiversity in the Great Plains Pavlacky Jr DC, Green AW, Bartuszevige AM, Iovanna R, Hagen CA,	*Measuring the diversity of molting spatial strategies among western landbirds using long-term banding data Figueira L, Martins PV, Ralph C, Alexander JD, Stephens JL, Wolfe JD
14:15	*Extrapair parentage in a rapidly moving chickadee hybrid zone: confounding factor for analysis of fitness consequences of interbreeding?	Flight behavior of Sandhill Cranes (Grus canadensis) in the vicinity of wind turbines Kirsch EM, Wellik M, Diehl R, Suarez M, Sojda R, Woyczik W	Low amplitude vocal signaling by rock wrens Benedict L, Najar N, Pitt S	*Intraspecific niche divergence within a geologically novel ecosystem Conway M, Kovach A, Olsen	Using Genoscapes to Understand the Impacts of Solar on Migratory Birds Ruegg KC, Bay R, Smith T	Identifying priority areas for grassland songbirds in Canadian Prairie Potholes Region	Habitats and Conservation of Molt-migrant Birds in Southeastern Arizona and Northwestern Mexico Albert SK, Pyle P. Chambers M, Leitner W, Siegel RB,
14:30	*Nuclear DNA supports mitochondrial and phenotypic divergence in Steller's Jays (Cyanocitta stelleri) Oong Z, Cicero C, Hanna ZR, Feldheim K, Bowie RC,	*Wood Thrush movements within the breeding season: Implications for availability for survey in distance and occupancy sampling Jirinec V, Leu M	Cultural selection as a mechanism of acoustic adaptation to city noise for songbirds Moseley DL, Derryberry GE, Phillips I, Danner JE, Danner AA	*Convergent morphological evolution within the largest radiation of Neotropical songbirds (Thraupidae) Demery AC, Burns KJ	How do different bird species visually perceive solar panels? Implications for reducing avian mortality in solar facilities Fernandez-Juricic EN, Baumhardt P, Kelly K	Grazing management for conserving grassland birds: the need to consider local environmental context and species philopatry across landscapes. Davis KP, Augustine DJ, Aldridge CL, Skagen SK	Variation in altitudinal molt migration in western birds Wolfe JD, Wolfe JD, Wiegardt AK, Ralph C, Stephens J, Alexander J,
14:45	*The Evolution of Tarsal Spurs in Galliformes Griffith EV, Kimball R	Home-Range Scale Habitat Selection Patterns Do not Necessarily Imply Home-Range Scale Decisions Xanco SW, Linkhart BD, Winder MB	Exploring patterns of vocal performance across song types in field sparrows Gill SA, Vonhof MI	Thy neighbors matter: An experimental test of the prey site partitioning hypothesis Chalfoun AD, Sanders L, Scherr T	*Are solar facilities in the southwestern U.S. a threat to Yuma Ridgway's rails? Harrity E.J. Conway C.J	*Context-dependent influences of vegetation structure on nest survival in the shortgrass steppe Carver AR, Augustine DJ, Wunder MB	Drivers of molt-migration in intra-tropical migratory birds Jahn AE, Guaraldo AC, MacPherson M, Ryder TB
				COFFEE BREAK			

Nansday, Late Afternoon Session

Presidio V	Sym: Ecology, Evolution & Conservation of Molt-migration	*Use of non-breeding sites for prebasic molt by the long-distance migrant Swainson's Thrush Marins PV, Rodrigues L, Frey RI, Ralph C, Alexander ID, Stephens JL	Evidence for a prealternate molt-migration in Rufous Hummingbirds Sieburth DE, Pyle P	Linking life-history events through feather quality Rohwer VG	The effects of life history and external drivers on the molts of migratory birds Terrill RS, Maley JM, Tsai WL, Wolfe JD, Seeholzer GF, McCormack J	DISCUSSION	DISCUSSION
Presidio III-IV	Sym: Ecology & Conservation of Birds in the Great Plains	Quantifying the contribution of ranching to grassland birds of the northern Great Plains Ellison KS	Prioritizing and Evaluating North American Grassland Bird Conservation Efforts Michel NL, Grand J, Wilsey C, Langham G	DISCUSSION	DISCUSSION	DISCUSSION	DISCUSSION
Presidio II	Sym: Avian-solar Interactions: Impacts on Birds	Regional Observations and Trends in Avian Mortality at PV Solar Facilities Erickson WP, Riser-Espinoca D	An estimate of natural avian mortality in the Mojave Desert Huso MM, Fesnock AL, Allison L	Demography of birds killed at solar energy facilities Conkling TJ, Vander Zanden HB, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM	The geographic footprint of California solar energy effects on bird populations Vander Zanden HB, Nelson DM, Conkling TJ, Katzner TE	Impacts of solar energy development on breeding birds of the Nutt Grasslands, NM Desmond MJ, Daniel D	Renewable Energy and Birds George G
Presidio I	Genomics	Chromosomal inversions and reproductive isolation in an avian hybrid zone Hooper DM, Griffith SC, Price TD	Genomic underpinnings of acrobatic social displays in neotropical manakins (Pipridae) Balakrishnan CN, Driver RJ, Balakrishnan CN, Day LB, Pease JB, Fuxjager MJ,	Investigating Local Adaptation in Gunnison Sage-grouse Populations Zimmerman St, Aldridge CL, Oyler-McCance SJ	*Evolutionary genomics and transcriptomics of variable female plumage ornamentation in a New Guinea Malurus fairywren Enbody ED, Sin SY, Webster MS, Edwards SV, Karubian J,	Genome-wide analysis of differentiation and introgression in Anna's and Costa's hummingbirds Henderson EC, Breksford A	Creeper Genomics Manthey JD
Coronado II	Behavior & Breeding Biology	What does the blue-green colour of robin eggs signal, if anything? English PA, Parker LD, Montgomerie R	Experimental Tests of Delayed Dispersal in Fairy-wrens Pruett-Jones S, Johnson AE	The effects of Brown-headed Cowbird (Molothrus ater) brood parasitism on the growth and development of grassland songbird hosts Winnicki SK, Boyle WA	*Winter mates impact summer dates: Linking non-breeding social environment and reproductive success in an Australian songbird Welklin JF, Lantz SM, Khalil S, Karubian J, Webster MS,	Effects of Drought on Brood Parasite Body Condition, Follicle Development and Parasitism: Implications for Host-Parasite Dynamics Buxton VL, Schelsky WM, Boves TJ, Summers S, Weatherhead PJ, Sperry JH	Behavior of nestling and adult grassland passerines at fledging Ribic CA, Koper N, Ng CS, Ellison K, Rugg DJ,
Coronado I	Annual Cycle	*Breeding season carry-over effects of forest fragmentation on Wood Thrush (Hylocichla mustelina) Boyd B, Hayes S, Stutchbury	Normal 0 false false false EN-US ZH-CN AR-SA Sillett S, Rushing CS	Parrot border crossing?: Biology and conservation of endangered red-crowned parrots (Amazona viridigenalis) in the Rio Grande Valley of Texas Berg KS. Arellano CM, Henehan AK, Shackelford CE, Berg KS	Southwestern Willow Flycatcher (Empidonax traillii extimus) wintering ecology in Nicaragua Whitfield MJ, Ruegg K, Onerstrom SM	*Influence of Drought on Nest Phenology of the Burrowing Owl [Athene Cunicularia] Throughout the Great Plains Region Porro CM, Desmond MJ, Savidge JA, Gebreselassie FA, Cruz-McDonnell K, Griebel R	Carry-over effects of spring migration distance on reproductive success of tree swallows Gow EA, Knight SM, Bradley DW, Clark RG, Dawson RD, Norris RD
Agave II-III	Undergraduate Symposium	Brood size differentially affects the nestling stress response in sympatric swallows, but does not impact growth or survival Hardt BM, Adria DR, Bashaw MJ, Rivers JW	*Assessing Variation in Isotopic Signatures of Tissues for a Migratory Songbird (Tree Swallow) Gingras RM, Taylor AR, Causey D	*Avian spring migration as a dispersal mechanism for a forest insect invasion Russo NJ, Cheah CA, Elphick CS, Tingley MW	*Effects of Land Management Type on American Kestrel (Falco sparverius) Occupancy and Recruitment Kohler AK, Sellars MR, Olson ER, Doolintle TC, Heeringa B,		
Room	Session	15:30	15:45	16:00	16:15	16:30	16:45

	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Lightning Talks	Endocrinology & Physiology	Urban Ecology	Behavior	Evolution	Sym: Advances in Citizen Science for Conservation & Management	Sym: Avian Reproduction & the Thermal Environment
10:30	Spencer C Schubert (10:35) Lucas W DeGroote (10:40)	Overcoming thermal and hypoxic challenges of high elevations in two hummingbird species Spence AR, Tingley MW	*Ectoparasitism of the Wood Thrush (Hylocichla mustelina) in Suburban Forests Straley KM, Warren P, King	*Occurrence and variability of tactile interactions between wild American crows and dead conspecifics Swift KN, Marzluff J	Adaptations for relative larger brains in hummingbird skulls Ocampo D, Ocampo D, Barrantes G, UyJC	Integrating citizen science and structured data to inform conservation and management Michel NL, Meehan TD, Wilsey CB, Langham GM	Avian reproduction in the heat and limits on activity Wolf BO, Smith EK
10:45	Constance D Becker (10:45) Mu-Ming Lin (10:50) *Eirlys E Tysall (10:55)	*Cats are always scary: corticosterone response to live predator presentation in captive house sparrows Kucera AC, Heidinger BJ	The role of weather in bird-building collisions in a downtown area of a major U.S. city Lao S, Anderson AW, Blair RB, Eckles JW, Turner RJ, Loss SR	*Social network position correlates with exploratory behavior in Carolina Chickadees (Poecile carolinensis) Garlinger RD, Polekoff SE,	Hemoglobin evolution across elevational transitions in the phylogeny of the diglossine tanagers Wir CC, Beckman EJ, Chavez AC, McCullough JM, Andersen MJ, Storz JF	New initiatives at cooperative bird banding stations aid the conservation of migratory species Albert S, Saracco J, Ruegg K	*Latitudinal variation in nest microclimate explains variation in hatching success, nestling growth, and nestling suvival in burrowing owls
11:00	Bret N Mossman (11:00) Simon R Kiacz (11:05) Peter Houde (11:10) Timothy J O'Connell (11:15) Marilyn E Wright (11:20) Kaiva I Provost (11:25)	Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success Blizard MA *Growing up in a noisy world: can grassland songbirds nestlings cope with the stress of growing up near oil development? Heathcote AL, Koper N	Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum Ortiz JL, Conkey AA, Brennan LA, Fedynich L, Green M, *The traits that predict forest bird responses to urbanization intensity Paton GD, Shoffner AV, Wilson AM, Gagne SA	Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? Johnson AE Fussing over food: factors affecting the vocalizations American Crows utter around food Pendergraft LT. Pendergraft LT. Marzluff JM	*Color evolution in the lories and lorikeets Merwin JT, Seeholzer GF, Smith BT Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays Chen N, Diamond J, Bowman R, Fitzpatrick JW, Chen N,	Implications of climate change for wetland-associated birds in the U.S. interior: application of citizen science data Skagen SK, Steen VA, Sofaer HR, Reese GC The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region Stratberg D, Sdiymos P, Rardberg D, Sdiymos P, Rarden P, Stratberg D, Stratberg D, Sdiymos P, Rarden P, Stratberg D, Sdiymos P, Stratberg D, Stratberg D, Stratberg D, Stratberg D, Stratberg D, Sdiymos P, Stratberg D, Stratberg D	How an Interplay between Ovulation Order, Ambient Temperature, and Incubation Affects Offspring Fitness Sockman KW
11:30	James M Maley (11:30) *Cooper A French (11:35) *Jack P Hruska (11:40)	Effects of winter food supply on nocturnal hypothermia	A city of Oropendolas: A characterization of Psarocolius decumanus nesting colonies in an urban landscape Machado-Sredel F. Fernandes AM, Riera F, Pérez-Emán JL.	*Does noise affect male house wren detection and response to a territorial intruder? Grabarczyk EE, Gill SA	Sequence capture of universal genomic markers across an avian hybrid zone Vinciguerra NT, Tsai WL, Faircloth BC, McCormack	Schmiegelow FK, Song S Methods to correct for species labeling errors in citizen science data Hutchinson RA, He L, Emerson SC	Incubation temperature alters sex ratios of avian offspring DuRant SE, Hopkins WA
11:45	Michael J Andersen (11:45)	Degree of immune challenge differentially affects oxidative stress and metabolism Butler MW, Armour EM	*Noctumal lights affect bird-building collisions Riding CS, O'Connell TJ, Loss SR	Neotropical Wrens Learn New Duet Rules as Adults Rivera-Cáceres KD, Quirós-Guerrero E, Araya-Salas M, Templeton CN, Searcy WA,	Population differentiation of two tidal marsh sparrows and the implications for generalist-specialist cycling Olsen BJ, Walsh J, Conway M, Ruskin KJ, Kovach AJ,	Big Data beget bigger models: adventures in analyzing the output of species distribution models from eBird data Hochachka WM, Fink D, Auer T, Johnston A, Kelling	Temperature & life history: effect of temperature manipulation during incubation on immunity and thermoregulatory performance

Friday, Early Afterwoon Session

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Session	Abundance, Occupancy, Trends	Phylogeography	Birds & Agriculture	Life History	Sym: Humanity for Habitat: Success Stories for Birds &	Sym: Advances in Citizen Science for Conservation &	Sym: Bird Community Turnover & Global Change in Tropics
13:30	*Habitat and Seasonal Effects on the Avian Community in a Fragmented Maritime Forest Ferreira HJ, Fox AL, Rotenberg JA	Using ancient DNA and fossils to understand the historical diversity and distribution of Bahamian birds Oswald JA, Allen JM, Guralnick R, Steadman DW	Estimating the influence of patch size and shape, habitat juxtaposition, and vegetation composition of restored habitat on Northern Bobwhite demographics and abundance Simmons KT, Simmons KT,	*Indirect effects of a competior on life history and reproductive traits in a cavity nesting bird Britton SE, Ballentine B	Backyard habitats: The next frontier in bird conservation Lerman SB, Goddard M, Marra PP, Ikin K	Management The Great Backyard Bird Count: Creating Engagement through Community Science Slavin ZK	Bird community changes along tropical environmental gradients as a proxy for studying global change Robinson SK
13:45	*Effects of scale and land cover on Loggerhead Shrike occupancy Froehly JL, Tegeler A, Jachowski CB, Jachowski	Afro-tropical lowland forests: cradles or museums of avian diversity? Huntley JW, Voelker G	*Grazing and grassland birds: Does management affect abundance in Colorado's shortgrass steppe Davis KP, Aldridge CL, Augustine DJ, Skagen SK	Selection of nest-site aspect and vegetation structure results in color microclimates for Gray Vireo (Vireo vicinior) nests Harris JP, McMurry ST, Smith LM	Habitat Network: Coupling bird conservation with citizen science to scale-up impact	The Audubon Christmas Bird Count: Over 100 years of Citizen Science data informing conservation and management LeBaron GS	Exploring abiotic and biotic drivers of avian distributions and community turnover across Neotropical mountains Jankowski JE
14:00		Problematic Pachycephalidae: a new phylogenetic hypothesis using ultraconserved elements Brady SS, Joesph L, Moyle RG, Andersen MJ	Prairie Strips for Birds: Increasing Biodiversity Alongside Agriculture Gieve JC, Schutte LA, Klaver RW	Heavy babies and skinny youth: Density dependence in a highly social bird Barve SS. Koenig WD, Walters EL	Neotropical Flyways Project: Mapping Migratory Stopover Sites in Central and South America Rosenberg KV, Easton W, Ford RP, Geupel G, Keller B,	Uncovering the effects of climate change on bird species using structured citizen science: Audubon's Climate Watch program Bateman BL, Michel N, Dale K, Slavin Z, Wilsey C, Langham G	*Species diversity across elevational gradients in the High Andes Sevillano C.S. Rodewald AD
14:15	*Comparing Demography of Sympatric Scaled and Gambel's Quail Populations in Response to Weather in the Chiluahuan Desert Leipold EA, Carleton SA,	The role of plumage color evolution in speciation in the tanagers (Aves: Thraupidae) Price-Waldman RM, Shultz AJ, Burns KJ	*Population status, Distribution and Conservation Initiation of Asian Woollyneck (Ciconia episcopus) in Western Lowlands of Nepal Ghimire P	Breeding habitat requirements of Bendire's thrasher (Toxostoma bendire) throughout its New Mexico and Arizona range Bear Sutton CT. Desmond MJ, VanLeeuwen D	Audubon's Conservation Ranching Program Holloran AG	Soundscapes to Landscapes: Monitoring Animal Biodiversity from Space Using Citizen Scientists Schackwitz W, Clark M, Leland D, Micheli L, Campos-Cerqueira M	Agriculture erases climate-driven β -diversity in Neotropical bird communities Karp DS, Frishkoff LO, Echeverri A, Juarez P, Juarez P, Chan KM
14:30	Landbird population trends in protected areas of the North Coast and Cascades Network Ransom JI, Ray C, Saracco JF, Holmgren M, Wilkerson R, Stegel R, Ransom JI	*Isolation and gene flow affect the diversification of a South Pacific bird: the Foulehaio honeyeater complex Mapel XM, Cibois A, Modak TH, Moyle RG, Naikatini A, Seamon JO	Rapid phenotypic & trophic change in Horned Lark (Eremophila alpestris) after conversion of the Colorado desert to agriculture Mason NA, Mason NA, Unitt	*Tracking grassland fledgings: using radio-telemetry to study post-fledging survival of a threatened grassland songbird	Forest Bird Initiative: Keeping Birds and People on Common Ground Hagenbuch SE	Model Sets for the North American Breeding Bird Survey Sauer JR, Link WA, Niven DK	Climate change causes mountaintop extinctions in a tropical bird community Freeman BG, Scholer M, Fitzpatrick JW
14:45	Estimating Population Trends with Dynamic N-mixture Models: When do Repeated Visits Count? Monroe AP, Wann GT, Aldridge CL, Coates PS, Ricca MA,	Origin and evolution of the extinct San Benedicto Island Rock Wren (Salpinctes obsoletus exsul) revealed by phylogeographic analysis of genome-wide variation Spellman GM, Nahar N, McCullough J, Benedict L, Andersen M,	Population Responses of the Northern Bobwhite to Land Use Changes in the Agricultural Landscapes of Ohio, USA Smith OM	Effects of sex and inbreeding on reproductive senescence in three cooperatively breeding species Garcia V. Bowman R. Fitzparrick JW, Keenig WD, Walters JR, Walters EL	Made in the shade: How Bird Friendly®is good for people and biodiversity Marra PP	Integrating an eBird portal and an Avian Knowledge Network node for improved citizen science and bird conservation Alexander JD, Armstrong EE	*Evolutionary dynamics of elevational ranges in Andean birds Gadek CR, Win CC
				COFFEE BREAK			

Agav	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Сови	Community ecology	Sexual Selection	Human Dimensions & Coupled Systems	Migration & Stopover	Sym: Humanity for Habitat: Success Stories for Birds & People	Sym: Advances in Citizen Science for Conservation & Management	Sym: Bird Community Turnover & Global Change in Tropics
The cha behavior of Islands sea Zarn AM,	The changing foraging behavior of the Galápagos Islands seabird community Zam AM, Enstie SD, Valle	*Carotenoid metabolism strengthens the link between feather coloration and individual quality Weaver RJ, Weaver RJ, Santos ES, Tucker AM, Wilson AE, Hill GE,	*Within-scale and cross-scale interactions of temperature and socioeconomic factors affect Neotropical migrant persistence Chaudhary A, Gutzwiller KJ	*Migration strategies and nonbreeding movements of a threatened population of Black-crowned Night-Herons Stein KA, Kearns LJ, Tonra CM	Mexican spotted owls and the Mescalero Apache Hougland SJ	High resolution bird distributions from citizen science data Steen VA, Tingley MW, Elphick CS	Elevational range shifts in tropical avian communities Pinm S, Forero-Medina G
Lifetime tree cav and su scosysten Trzcinsk	Lifetime use of individual tree cavities in temperate and subtropical forest ecosystems in the Americas Trzcinski MK, Cockle KL, Edgeworthy AB, Wiebe KL, Martin K	*Does signal diversity matter? Testing the significance of bird song repertoire size Pitt SG, Benedict L	Characterizing the niches of North American birds within contemporary culture Schuetz JG, Johnston A		BirdReturns: delivering dynamic cost-effective habitat for migratory birds in agricultural landscapes Kelsey TR, Golet GH, Reynolds MD	Integrating remote sensing and citizen science to study the colonization of urban environments by a returning axian predator McCabe JD, Zuckerberg B, Yin H, Cruz J, Radeloff V, Pidgeon A	The roles of interspecific aggression and thermal physiology in limiting elevational ranges of tropical birds Boyce AJ, Wolf BO, Martin
Diet diff coexis birds in prey and	Dietary overlap and differences among coexisting, food-limited birds in relation to available prey and foraging behavior Kent CM, Sherry TW	The Left Testis Differs from the Right Testis in Composition and Function Within Male Waterfowl and Game Birds (Galloanserae)	Discrepancy in the amount of wintering versus breeding grassland bird publications: Using text analysis to quantify seasonal bias in life-cycle studies Muller JA, Ross JD	*Discovery of fall migration of Northern Saw-whet Owls (Aegolius acadicus) in Missouri, Arkansas, and Oklahoma (USA) Pruitt ML, Smith KG, Ripper D, Revels M, Ramirez A,	The Bobolink Project: Helping Farmers Protect Grassland Birds Anwood JL, LaBarr M, Strong A, Swallow S, Chakrabarti A, Hunt P	Combining citizen science with targeted monitoring for Gulf of Mexico tidal marsh birds birds Adams EM, Woodrey MS, Rush SA, Cooper RJ	Temperature and competition interact to structure Himalayan bird communities Tingley MW, Srinivasan U, Elsen PR, Wilcove DS
Califo comm prescr re mana, Newr Tingla	California chaparral bird community responses to prescribed fire and shrub removal in three management seasons Newman EA, Potts JB, Tingley MW, Yaughn C, Stephens SL,	Sampling constraints affect mate choice in birds Wilson DR, Fraser B	Thunk! Understanding Bird-window Collisions on the Utah State University Campus Sullivan KA, Sullivan KA, Sagers R, Hopkins D	*Effect of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds Tucker AM, DeRose-Wilson A, Catalano M, Zimmerman J, McGowan C,	Ecosystem services provided by American kestrels in fruit crops: farmer, consumer, and economic perspectives Lindell CA, Shwiff S, Shave M, McClure C, Howard P, Elser J	Informing isotopic assignment of secretive marsh birds migratory connectivity with directed and opportunistic citizen science data Fournier AM, Sullivan AR, Perkins M, Shieldcastle MC, King SL, Drake KL	Long-term demographic responses of forest understory bird species to habitat loss, fragmentation, and climate change in Tanzania Newmark WD. Korfanta NM. Kauffman MJ. Stanley TR, Halley JM. Jenkins CN
*Influ Capelin Die Stru Nev Nev	*Influence of Spawning Capelin on Marine Predator Diet and Food Web Structure in Coastal Newfoundland Jenkins EJ, Davoren G	Parallel Evolution of Ordered Feather Barb Biophotonic Nanostructures Saranathan V, Prum RO		Evidence for a relationship between the movements of boreal-breeding and temperate-breeding fringillids	Reconciliation Ecology and Bird Conservation Rosenzweig ML	Beyond bird counts: volunteer monitoring of shorebird productivity along the US west coast Meehan TD, Harvey AL, Michel ML, Langham GM, Wannerin A.	Elevational changes in the avian community of a Mesoamerican cloud-forest park Neate-Clegg MH, Jones SE, Burdekin O, Jocque M, Sekercioglu CH,
New Isla Lan Affect Suc Conti	New Zealand Changing Islands: 35 years of Landbird Populations Affected by Introductions, Succession, Predator Control, and Weather LL	Ornamental chick coloration in American coots: selection within or between broods? Lyon BE, Shizuka D		Where do winter crows go? Characterizing partial migration with satellite telemetry, stable isotopes, and molecular markers Townsend AK, Frett B, McGarney A, Taff CC	DISCUSSION		DISCUSSION

Session
Morning
Saturday,

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Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Abundance, Occupancy, Trends	Habitat Change\Relationships	Urban Ecology	Evolutionary Ecology	Climate	Sym: Desert Birds in Peril: Research & Conservation Challenges	Migration & Stopover
10:30	Multi-species bird occupancy in pasturelands, and use of conspecific stimuli to increase Loggerhead Shrike detection Graham LD, Lituma CM	Seasonal Resource Partitioning between Northern Spotted Owls and Barred Owls in the Oregon Coast Range Jenkins JM, Kane JT, Kane VR, Lesmeister DB, Verschuyl J, Wiens J	Influence of avian life history strategies on building collision risk at a continental scale scale Elmore JA, Hager SB, Cosentino BJ, Loss SR	Woodpecker plumage evolution: convergence, mimicry, or neither? Miller ET, Leighton GM, Lees AC, Freeman BG, Ligon RA.	Monogamous shorebirds breed earlier and match with food peak better than sympatrically breeding polygamous shorebirds Kwon E, Weiser EL, Lanctor RB, Brown SC, Gates R, Gilchrist H	Binational Collaboration for Desert Bird Conservation in the southwestern U.S. and northern Mexico Duberstein JN, Hejl S, Macias-Duarte A, McCreedy	Population genetics and migratory connectivity of the Prothonotary Warbler DeSaix MG, Miles LS, Viverette CB, Dyer RJ, Bulluck LP,
10:45		Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests Stillman AN, Siegel RB, Wilkerson RL, Johnson JM, Tingley MW,	Surviving in the city: higher apparent survival for urban birds but worse condition on noisy territories Phillips JN, Gentry K, Derryberry E, Luther D	Does variation in nestling wing development and body condition drive post-fledging survival within and among songbird species? Jones TM, Ward MP, Benson TJ, Brawn JD	Higher spring temperatures increase food scarcity and limit the distribution of crossbills Benkman CW, Mezquida ET, Svenning J, Summers RW, Benkman CW	Urban characteristics related to urban bird community in the desertic city of Hermosillo, Sonora, Mexico Castillo-Gámez RA, Johnston-López K, Macías-Duarte A	Range-wide migration patterns in Vermivora warblers Kramer GR, Andersen DE, Buehler DA, Wood PB, Peterson SM, Lehman JA
11:00	The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy Peterson SM, Beissinger SR	Hurricane Sandy and Engineered Human Response Created Habitat for a Threatened Species Walker KM, Fraser JD, Catlin DH, Ritter SJ, Robinson SG, Bellman HA	The role of resident bird species as carriers of ticks in urban areas Roselli MA, Noden BH, Loss SR	Moving to the mainland: expanding assessment of the impacts of diversity and biogeographic history on assemblage vulnerability Weeks BC, Gregory N, Naeem S	Climate change and management implications for a declining Neotropical migratory songbird breeding in the Great Plains Glass AJ, Arvilla N, Caven AJ, Kim DH, Sutton M, King KC	Summer rain, availability of seed and selection of winter habitat of two sparrow species of the genus Ammodramus, in the north of Durango, Mexico Martinez-Guerrero JH, Pereda Solis ME, Ruvalcaba-Orega I, Macias-Duarte A, Canales-Castillo R, Strasser E	Automated telemetry reveals staging behavior in a declining migratory passerine Wright JR, Powell LL, Tonra CM
11:15	Using point counts to estimate population growth and site quality: a comparison with intensive demographic monitoring Valente JJ, Ryder TB, Rushing CS, Betts MG, Fischer RA, Sillett TS	A novel virus associated with beak deformities in wild birds Hache SA, Knaggs M, , Nielsen SE, Bayne EM, Pankratz RF, Stralberg D	Two Negatives Equal a Positive: How SoCal's Wild Parrots (Non-invasive, Non-rative) Are Helping Conserve Mexican Species Durham B	Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone Clucas GV, Walsh J, Clucas GV, MacManes M, Kovach A	Climate change and long-term trends in bald eagle (Haliaeetus leucocephalus) winter habitat use Ransom JI, Rubenstein MA, Christophersen R, Ransom JI	Region-wide Desert Thrasher Surveys: An Example of a Collaborative Conservation Effort Fletcher DM, Harter LB, Ammon E	Insights into the Black Box of Long-Distance Migration Revealed by Emerging Tracking Technology Hallworth MT, Cooper NW, Cohen EB, Sillert TS, Ryder TB, Marra PP
11:30	Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (Strix occidentalis lucida) Lanier WE, Blakesley JA	Does the Working Coast work for wildlife? Effects of saltmarsh restoration on avian communities in the Gulf of Mexico Byerly PA, Waddle HJ, Leberg PL	Urban and Endangered: the complex realities of Red-crowned Parrots in Texas Brightsmith DJ, Kiacz S, Boyd JD	Spatiotemporal variation in hatching success and nestling sex ratio in a rapidly moving chickadee hybrid zone Curry RL, Driver RJ, Ferretti V, Burton E, Curry RL	Long-term patterns in breeding phenology and productivity of Flammulated Owls in a changing climate Linkhart BD	Natal dispersal of Aplomado Falcons under drastic habitat loss in the Chihuahuan Desert of Mexico Macias-Duarte A, Avarado-Castro IA, Gutierrez-Ruacho OG, Ortega-Rosas CI, Rodriguez-Salazar JR,	Upslope molt migration of Oran ge-crowned warblers on the west slope of the Sierra Nevada in California Wenny DG
11:45	The recent expansion of Fox Sparrow breeding range into the northeastern United States Lloyd JD	Infestation by the exotic fruit fly, Drosophila suzukii, reduces local abundance of frugivorous birds in an Appalachian forest Stoleson SH, Lituma CM	A N15 isotope tracer experimentally demonstrates that nonnative plants limit energy flow to higher order consumers like birds Narango DL, Carlo TA, Tallamy DW, Marra PP	Migratory shorebird adheres to Bergmann's Rule throughout the annual lifecycle through shifts in individual body mass Gibson D, Hornsby AD, Cohen JB, Fraser JD, Hunt KL, Carlin DH	Shared morphological consequences of global warming across the North America migratory avifauna Winger BM, Weeks BC, Willard DE	Worthen's Sparrow (Spizella wortheni) current status in natural and anthropogenic-disturbed areas in Mesoco Ravalcaba-Ortega I, Canales-del-Castillo R, González-Rojias II, Guzmán-Velasco A,	From Alaska to the Amazon: migratory behavior of blackpoll warblers (Setophaga striata) across their breeding range DeLuca WY. Woodworth BK, MacKenzie SA, Newman A, Sutton A, Freeman N
				LUNCH BREAK			

Freeding Biology Conservation Tropical Enoigy Evolution Synt Scholaring Bird Conservation Conserv	Room Agave II-III Coronado I	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Training the recoverable of the control of the cont	ssion	Breeding Biology	Conservation	Tropical Ecology	Evolution	Sym: Setting Priorities for Research & Monitoring Bird Populations	Sym: Desert Birds in Peril: Research & Conservation Challenges	Sym: Bridging the Gap between Science & Conservation
Servich kore breeding Concressing the Management of Concressing the Management of Concressing the Management of Construction of State of anthropographic in the Control of Management State of Management Management of Management M	3:30	Taming the temperature: Do birds select nest sites that modulate microclimatic variation? Scherr TM, Chalfoun AD	Does use of exotic shrubs influence nesting success of Veeries in northeastern Pennsylvania? Goguen CB, Murray LD	Threatened birds, dynamic habitats and disturbance processes: conservation ecology in one of the worlds most understudied savanna ecosystems Kingsbury J, Davies G, Tonra C, Macleaod R	Fifty Shades of Brown: evolution of plumage brightness in a large clade of non-ornamented Neotropical passerines Marcondes RS, Bruntfield	Seeking the Knowledge-Action Boundary: Decision Analysis for Collaborative Conservation Lyons JE	Interactive effects of climate, landcover change, and habitat quality on Ferruginous Pygmy-Owl populations in the U.S and Mexico	Bridging the gap between science and avian conservation: Lessons learned on Integrating research into management actions van Riper III C, Nichols JD, van Riper CJ, Stewart WP
Colories and receipted and selections and receipt and receipt and selections and receipt gelesions and restricted and selections and restricted and selections and receipt gelesions and restricted sections and restricted se	3:45	Scarlet Macaw breeding ecology and behavior in Tambopata Peru Vigo Trauco G, Brightsmith DJ	Conservation Planning Under Uncertainty: An Interactive Decision Support Tool for Least Bell's Vireo Management Stanton JC, Hall L, Alvarado A, Kus B, Marek J, Morrissette E	Disturbance along a watershed in Belize maintains high species diversity in the bird community Rotenberg JA, Marlin JA, Pop L, Garcia W	Subfossil evidence for a recent hybrid origin of the endangered, endemic Hawaiian koloa maoli (Anas wyvilliana) Wells CP, Lavretsky P, Spitzer M, Dattoria M, James H,		Effects of anthropogenic activities on haemosporidian infection in birds of the highland plateau of central Mexico Chapa-Vargas L., Ruiz-Garcia GM, Ham-Duraias G, Candex-Delgadillo JC, Tingiero RJ	Maintaining critical habitat for birds at the Salton Sea Jones AL, Krieger K, Salas L, Shuford WD, Cooper DS
Proposition	00:4	Cold and safe versus warm and risky: nesting decisions in an alpine songbird de Zwaan DR, Martin K	Evaluating extinction probabilities and recovery strategies for Maui Parrot Bill McGowan CP, Mounce HL, Warren C, Paxton E, Groombridge J,	Dealing with drought in the rainforest Nishikawa ET, Brawn JD	The skull and brain in birds and their relatives reveal a deep evolutionary and developmental relationship Hanson MD, Fabbri M, Mongiardino Koch N, Pritchard AC, Norell MA, Bhullar BS	Challenges to Coordinated Monitoring in the Face of Gulf of Mexico Restoration Wilson RR, Tirpak J, Steyer G	Status of the Western Yellow-billed Cuckoos in Sonora, Mexico Sánchez-Murrieta E, Macías-Duarre A, Juárez E	Building an ecological atla from spatial data to conservation across dynami Arctic seas Smith MA, Goldman MS, Knight EJ, Sullender BK
Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range of an invasive predator in a across a Species Range of an invasive predator in a across a Species Range of an invasive predator in a across a Species Range of an invasive predator in a most, montane forest The response of birds to habitat restoration and across of an invasive predator in a mon-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds to habitat restoration and evolvation and non-passerine birds The response of birds in the call of white habitat restoration and evolvation and non-passerine birds The response of birds in the plant of polycade birds in the plant restoration and evolvation and non-passerine birds The response of birds in the plant restoration and evolvation and nest and colombia analysis The response of birds in the plant restoration and evolvation and nest and colombia analysis The response of birds in the plant restoration and evolvation and nest and colombia analysis The response of birds in the plant restoration and evolvation and	:15	Pinyon Jay (Gymnorhinus cyanocephalus) Movements, Habitat Use, and Satellite Colonies in the Manzanita Mountains, New Mexico Novak MC, Smith LM, McMurry ST, Harris JP	Survival, site persistence, and movement dynamics of a non-territorial Neotropical migrant during the nonbreeding period Ames EM, Tonra C, Bulluck	Avian responses to indigenous community forest management in western Amazonia Cooper RJ, Sutton M, Tsamajain-Shiwig O	Evolutionary conflict Queller DC, Strassmann JE	Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making Fournier AM, Lyons J, Adams E, Brush J, Cooper R,	Drought-caused delay in nesting and its facilitation of parasite- and predator-mediated variation in reproductive success	Developing actionable science for multiple-use lands: from landscapes to sage-grouse in the Bureau of Land Management Carter SK, Haby T, Miller KH, Carr NB, Bowen ZH,
White-headed Woodpecker Habitat specific abundance (Picoides albolarvatus) and occupancy dynamics of an on-territorial survival: a multi-scale overwintering songbird in Panama and Colombia analysis analysis Baldwin J E, Wiverette C, Tonra C, Baldwin J E, Silverman ED Richard Species and occupand and nest single evolutionary origin (GoMMAPPS): a Nexus to recinate change analysis and colombia analysis and colombia and nest saide and colombia and nest said and occupancy origin (GoMMAPPS): a Nexus to climate change to climate change analysis and colombia analysis and colombia and nest said and colombia and nest said and colombia anotational and colombia and colombia and colombia and colombia and	1:30	Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range Ruskin KJ, Hodgman TP, Borowske AC, Cohen JB, Elphick CS, Field CR	Response of a native Hawaiian bird to the removal of an invasive predator in a mesic, montane forest Banko PC, Jaenecke KA,		Trends in carotenoid-consistent coloration across non-passerine birds		The response of birds to habitat restoration and environmental flows in the Colorado River Delta, Mexico Hinojoxa-Huerta O	Community-based bird monitoring in biodiversity hotspots: integrating conservation, research, education, capacity buildin and incomes Sekercioglu CH
	:45	White-headed Woodpecker (Picoides albolarvatus) habitat selection and nest survival: a multi-scale analysis Purcell KL, McGregor E, Baldwin J	Habitat specific abundance and occupancy dynamics of a non-territorial overwintering songbird in Panama and Colombia Bulluck LP, Bayly N, Ames E, Viverette C, Tonra C,		Avian and non-avian dinosaur egg color had a single evolutionary origin Wiemann J	Gulf of Mexico Marine Assessment Program for Protected Species (GoMMAPPS): a Nexus to Regulatory Decision-Making Gleason JS, Wilson RR, Jodice PG, Lyons JE, Zipkin EE, Silverman ED	Physiologically-structured species range models identify traits underlying susceptibility of desert birds to climate change Wolf BO, Riddell E	Putting the Right Habitat, it the Right Places, at the Right Time: The Integrated Waterbird Management an Monitoring Initiative Heglund PJ, Loges B, Newman J

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	Behavior	Conservation	Citizen Science & Science Communication	Diseases & Parasites	Sym: Setting Priorities for Research & Monitoring Bird Populations	Sym: Desert Birds in Peril: Research & Conservation Challenges	Sym: Bridging the Gap between Science & Conservation
	When Goshawks Attack!: A Comparison of Nest Defense Behaviors in Oulu, Finland and the Little Belts, Montana Wright ME, Tomberg R, Bickford NA	Loggerhead Shrike Predation on Dunes Sagebrush Lizards in Southeastern New Mexico Hathcock CD, Hill MT	Conservation of Sick's Swifts (Chaetura meridionalis) in Southern Brazil: a successful citizen science initiative Biancalana RN	Ground-dwelling songbirds as competent carriers and reservoirs of vector-bome disease (Lyme disease) Hill AJ, Lituma CM, Wilson ME, Meade BJ, Hendricks BM, DeGroote LW	Application of monitoring Best Management Practices to marsh restoration priorities to reduce uncertainty of marsh birds response . Woodrey MS, Cooper RJ, Evans KO, Iglay RB, Rush SA, Fournier AM	Winter home range characteristics and habitat use by Sprague's Pipit (Anthus spraguei) in the Chihuahuan Desert grasslands of northerm Mexico Strasser EH, Ruvalcaba-Ortega I, Ruvalcaha-Ortega I, Romare-Reinche A, Panjabi AO, Martínez-Guerrero J, Canales-del-Castillo R	Modeling transitory habitat in a dynamic agricultural landscape for the Streaked Homed Lark Hamilton CM, Bateman BL
	Manipulating badges of status only fools strangers Block TA, Chaine AS, Shizuka D, Block TA, Zhang L, Lyon BE,	Evaluation of Southwestern Willow Flycatcher Breeding Records Along Southern Range Boundary Johnson GE	A community-based approach to conserving the island-endemic Calayan Rail Layusa CA, Reynon JB, Guimayen AG, Oliveros CH	Effects of supplemental feeding on gut microbiota and parasite resistance in Eastern Bluebirds Knutie SA	Understanding habitat use and management efforts to conserve migratory landbirds along the northern Gulf of Mexico coast Zenzal TJ, Buler JJ, Moore FR, Barrow WC, Wilson BC,	The Salton Sea: California's Most Imperiled Wetland? Cooper DS, Jones A	Optimizing conservation of Hawaiian forest birds into an uncertain future Paxton EH
	Autumn social familiarity preferences predict reproductive output in Brown-headed Cowbirds (Molothrus ater) Kohn GM	State of the world's raptors: threats, distributions, and actions McClure CJ, Johnson JA, Westrip J, Schulwitz SE, Virani MZ, Thorstrom R	Using Nest Cam Data to Engage Undergraduate General Biology Students in Authentic Graduate Research Cowell SD, Sullivan K, Rodman T, Lucas L	Variation in malarial prevalence and diversity in thrush congeners along a latitudinal gradient of the Appalachian Highlands Starkloff NC, Turner WC, Kirchman JK	Using monitoring to reduce uncertainty in identifying key ecological drivers of populations examples from the Everglades	DISCUSSION	Turning Western Yellow-billed Cuckoo (Coccyzus americanus) Surveys Into Conservation Action Prager SS, Supplee V, MacFarland J
	Stable social relationships between unrelated females increase individual fitness in a cooperative bird Riehl CP, Strong MJ	Relationship of conservation practices to priority grassland bird occupancy in the Central Hardwoods Bird Conservation Region Lituma CM, Joos CJ, Buehler DA	Call of the Wild: Using Natural Sounds Recordings to Give Voice to Avian Conservation Job JR	Patterns of Borrelia burgdorferi prevalence in Northern Illinois birds Marshall JS, Hanson C, Beckmann SM	Using a structured decision making framework to support large-scale inference Adams EM, Fournier AM, Lyons JE, Woodrey MS	DISCUSSION	DISCUSSION
		Gray-cheeked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels McDermott JP, Whitaker DM, Warkentin IG		A novel virus associated with beak deformities in wild birds Van Hemert C, Zylberberg M, Handel CM, Pajot LM, DeRisi JL,	DISCUSSION	DISCUSSION	DISCUSSION
		The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls			DISCUSSION	DISCUSSION	DISCUSSION