*indicates student presenters eligible for AOS presentation award
Session
Morning.
Wednesday,

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Session	Behavior	Conservation	Tropical & General	Molecular Ecology	Foraging & Food	Biogeography	Sym: Tackling the
			Ecology		Habits		Impacts or 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	*Fitness 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, Li S	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 Northwestem 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		*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-Willena 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? Etterson MA, Garber K	*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 Exirpated 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 (Stemula antillarum) incubation behavior and egg temperatures Snowden RO, Danner RM	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 chestnut-crested yuhina Kaixer SA, Martin TE, Oreyza 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, Jessup D
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, Studds C, Sillert 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 Duarte A, Castillo Gamez RA, Montoya AB	*Biogeography and trait evolution of the pantropical avian order Coraciiformes McCullough JM, Moyle RG, Smith BT, Andersen MJ	Look What the Cat Dragged In: Human Diseases Duffy, DC, Duffy, DC
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registation structure, or plant from the Poethreest Feeter Blant in the Verbinest Blant Feeter Bl	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 diumal raptors Mindell DP, Fuchs J, Johnson JA	The life cycle of Toxoplasma gondii and its impact on wildlife Barbieri MM
microclimate the workeds in workeds to good for the worked with the competition microclimate the workeds is good for the worked worked with the content of the microclimate of the worked work that worked the worked worked for the worked worked for the worked the worked work that work the worked for the worked worked for the worked worked for the worked for the worked worked for the worked for t	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 DI, Ksepka D	Estimating free-ranging cat abundance: an overview of techniques, study designs, and models Cove MV
#Characterizing adult and substantial growth of the speciation across an dominated planations in speciation across an and committed planations in when speciation are so fred-pine substantial growth of the speciation and memory and committed planations in when a leave of pandation in urban and memory and pandation in urban and memory and pandation in urban and population in urban and population in urban and population of Kirdand's warblers and population in urban and site of red-pine solutions in urban and population in urban and site of a special planations in urban and separated by the special planation in urban and special planations in urban and population in urban and site of the special section in solution in urban and separated by the special planation in urban and population in urban and plate and population in urban and population in urban and population in urban and plate and population and plate and plate and population are along and plate an	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, Kronenherg 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
*Declining old-forest *Using Structured Decision Phylogeny of avian orders species as a legacy of large Race as a legacy of large Structured Decision Phylogeny of avian orders species as a legacy of large Race Objectives for coalescent analysis of trees lost Red-cockaded Woodpecker analysis of aniestron/deletion mutations Jumes GM, Keane JJ, Arabagement Guiterrez RJ, Peery MZ Brown EJ, Ferguson PF Houde P, Braun EL, Mir Arabaggi S A	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 Kirtland'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 postzygotic reproductive isolating barrier	*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
Avian Response to Incorporating Woodpecker Implementation of Cerulean Warbler Habitat Post-Fire Salvage Logging Management Guidelines Saab VA, Latif QS, Dudley J. Ford M, Fearer T Ford M, Fearer T Ford M, Fearer T Ford M, Pears RC, Patter MA, Weir Post-Fire Salvage Logging Post-Fire Salvage Logging Racine Incorporating Brachypter and Entrogression after the 19th northern White-browed century invasion of Glossy morthern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern White-browed Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern Shortwing Brachypteryx montana taxa supports into the New World procession after the 19th northern Brack the 19th northern Brachypteryx montana taxa supports into the	*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, Gutierrez 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 KR
	Do Grasshopper Sparrows have a Caribbean accent? Lohr B	Avian Response to Implementation of Cerulean Warbler Habitat Management Guidelines Wood PB, Naveff 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 Ibis (Plegadis falcinellus) into the New World Brumfield RT, Oswald IA, Harvey MG, Remsen RC, Foxworth DU, Dittmann DL	Integrative taxonomy of the northem 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 Kisonak LS

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) Erik D Enbody (15:40)	Dan Gibson (15:45) Karan J Odom (15:50) Andrew J Boyce (15:55)	Philina A English (16:00) Brian C Weeks (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, Safran RJ	High recombination rate might contribute to intricate speciation patterns in the White wagtail (Motacilla alba) Semenov GA, Basheva E, Borodin PM, Torgasheva A, Scondato ES, Khaydarov DR	Genomics of Admixture and Asymmetrical Introgression Between Two Ecologically Divergent Sparrow Species Walsh JL, Kovach Al, Olsen BJ, Shriver G, Lovette IJ	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
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 Alen's hummingbirds inferred from whole genome sequences Brelsford A, Lagunas-Robles G, Myers B, Burns K, Clark	A comparison of genetic variability in the cytochrome c oxidase gene between sparrows and nuthatches 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
Coronado II							
Coronado I							
Agave II-III							
Room	Session	15:30	15:45	00:91	16:15	16:30	16:45

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Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
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 Filar 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, hatching, 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, Beh A	Avian diversification in biodiversity hotspots Younger JL, Strozier L, Maddox D, Raheritalao MJ, Goodman SM, Reddy S
10:45	Research Recommendations for Understanding the Decline of American Kestrels (Falco sparverius) Across Much of North America Schubwitz 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, Buler JJ	*A landscape approach to understanding breeding habitat of a rapidly declining migratory song bird Schold EK, Bulluck LP	*Evening point counts produce similar occupancy estimates as morning point counts for many species Gilbert NA, Ferguson PF	*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 WY, 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, 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 (Vermivora sp) Occupancy as a Function of Landscape Structure at Multiple Spatial Scales in the Champlain Valley of Vermont 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, Clarcanunt 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, Tinulaer 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, Carrasco L, Walter S	Tracking Mountain Plover migration: conservation implications of non-breeding habitat use Pierce AK, Dinsmore SJ, Duchardt CJ, Dwyer AM, Jorgensen D, Marra PP	*Genomic approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds Judy CD, Graves GR, Brumfield 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, Boves TJ	*Spatial Distribution and Site Fidelity of Long-billed Curlews Wintering in California 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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	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
	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, Kulm 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	A Baird's life: a full-annual-cycle perspective of Baird's and Grasshopper Sparrows of the Northern Great Plains Correll MD. Bernath-Plaised J. Strasser EH. Revulcaba-Ortega J. 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
	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
	*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 Potticary 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
	*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 BJ	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 Mt. Leitner W. Siegel RB
	*Nuclear DNA supports mitochondrial and phenotypic divergence in Steller's Lays (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 1, Danner JE, Danner JE, Danner PA	*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, Wiegardt AK, Ralph C, Stephens J, Alexander J
	*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 Yanco SW Linkhart BD, Wunder MB	Exploring patterns of vocal performance across song types in field sparrows Gill SA, Vonhof MJ	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 EJ, Conway CJ	*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			

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	
Session	Undergraduate Symposium	Annual Cycle	Behavior & Breeding Biology	Genomics	Sym: Avian-solar Interactions: Impacts on Birds	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Ecology, Evolution & Conservation of Molt-migration
15:30	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	*Breeding season carry-over effects of forest fragmentation on Wood Thrush (Hylocichia mustelina) Boyd B, Hayes S, Stutchbury B	What does the blue-green colour of robin eggs signal, if anything? English PA, Parker LD, Mongomerie R	Chromosomal inversions and reproductive isolation in an avian hybrid zone Hooper DM, Griffith SC, Price TD	Regional Observations and Trends in Avian Mortality at PV Solar Facilities Erickson WP, Riser-Espinoza D	Quantifying the contribution of ranching to grassland birds of the northern Great Plains Ellison KS	*Use of non-breeding sites for prebasic molt by the long-distance migrant Swainson's Thrush Martins PV, Rodrigues L, Frey RI, Ralph C, Alexander JD, Stephens JL
15.45	*Assessing Variation in Isotopic Signatures of Tissues for a Migratory Songbird (Tree Swallow) Gingras RM, Taylor AR, Causey D	Normal 0 false false false EN-US ZH-CN AR-SA Sillett S, Rushing CS	Experimental Tests of Delayed Dispersal in Fairy-wrens Pruett-Jones S, Johnson AE	Genomic underpinnings of acrobatic social displays in neotropical manakins (Pipridae) Balakrishnan CN, Driver RJ, Day LB, Pease JB, Fuxjager MJ	An estimate of natural avian mortality in the Mojave Desert Huso MM, Fesnock AL, Allison L	Prioritizing and Evaluating North American Grassland Bird Conservation Efforts Michel NL, Grand J, Wilsey C, Langham G	Evidence for a prealtemate molt-migration in Rufous Hummingbirds Sieburth DE, Pyle P
16:00	*Avian spring migration as a dispersal mechanism for a forest insect invasion Russo NJ, Cheah CA, Elphick CS, Tingley MW	Parrot border crossing?: Biology and conservation of endangered red-crowned parrots in the Rio Grande Valley of Texas Berg KS, Arellano CM, Henehan AK, Shackelford CE, Berg KS	The effects of Brown-headed Cowbird (Molothrus ater) brood parasitism on the growth and development of grassland songbird hosts Winnicki SK, Boyle WA	Investigating Local Adaptation in Gunnison Sage-grouse Populations Zimmerman SJ, Aldridge CL, Oyler-McCance SJ	The geographic footprint of California solar energy effects on bird populations Vander Zanden HB, Nelson DM, Conkling TJ, Katzner TE	DISCUSSION	Linking life-history events through feather quality Rohwer VG
16:15	*Effects of Land Management Type on American Kestrel (Falco sparverius) Occupancy and Recruitment Kohler AK, Sellarrs MR, Olson ER, Doolintle TC, Heeringa B	Southwestern Willow Flycatcher (Empidonax traillii extimus) wintering ecology in Nicaragua Whitfield MJ, Ruegg K, Otterstrom SM	*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	*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	Demography of birds killed at solar energy facilities Conking TJ, Vander Zanden HB, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM	DISCUSSION	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
16:30	Student poster presenter introductions and closing remarks	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	Effects of Drought on Brood Parasite Body Condition, Follicle Development and Parasitism: Implications for Host-Parasite Dynamics Buxton VL, Schelsky WM, Boves TI, Summers S, Weatherhead PJ, Sperry JH	Genome-wide analysis of differentiation and introgression in Anna's and Costa's hummingbirds Henderson EC, Brelsford A	Impacts of solar energy development on breeding birds of the Nutt Grasslands, NM Desmond MJ, Daniel D	DISCUSSION	DISCUSSION
16:45		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	Behavior of nestling and adult grassland passerines at fledging Ribic CA, Koper N, Ng CS, Ellison K, Rugg DJ	Creeper Genomics Manthey JD	Renewable Energy and Birds George G	DISCUSSION	DISCUSSION

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Column Light interpretation Column Colum	Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Consumer D Becker (19-4) Specie All-Right Series Processing of the School Part of t	Session	Lightning Talks		Urban Ecology	Behavior	Evolution	Sym: Advances in Citizen Science for Conservation & Management	Sym: Avian Reproduction & the Thermal Environment
Mar Ming Lin (10-45) Cricks are drown servery The best of weather in a corrisonate measure and the conservation of the problems and productions in the problems of the p	10:30	Lucas W DeGroote (10:35) Constance D Becker (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 humming bird skulls Ocampo D, Barrantes G, Uy JC	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
Peter Honde (11-30) The Cooperation breading in the cooperative breading in the consensation and perfected and polyandrous of consensation in the consensation and contentation and consensation and consensation in the consensation and consen	10:45	Mu-Ming Lin (10:45) Bret N Mossman (10:50) Simon R Kiacz (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, Tinner RI, 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 Witt 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 survival in burrowing owls
Kaiya L Provost (11:15) *Growing up in a noisy world.can grassland songbirds needings cope lines M Maley (11:20) *Growing up in a noisy with the stress of growing up near oil development? *Grooper A French (11:25) *Grouper A French (11:26) *The end of the road: *The end of the road: *Grouper A French (11:26) *The end of the road: *Grouper A French (11:26) *The end of the road: *Grouper A French (11:26) *The end of the road: *Grouper A French (11:27) *The end of the road: *Grouper A French (11:27) *The end of the road: *Grouper A French (11:28) *The end of the road: *Grouper A French (11:29) *The end of the road: *Grouper A French (11:20) *The end of the road: *Grouper A French (11:20) *The end of the road: *Grouper A French (11:20) *The end of the road: *Grouper A French (11:20) *The end of the road: *Grouper A French (11:20) *The end of the road: *Grouper A French (11:20) *The end of the road: *The end of the road: *Grouper A French (11:20) *The end of the proper of in man road: *The end of the proper of in man road: *The end of the proper of in man road: *The end of the end of the road: *The end of the proper of in man road: *The end of the end of the road: *The end of the end	11:00	Peter Houde (11:00) Timothy J O'Connell (11:05) Marilyn E Wright (11:10)	Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success	Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum Ortiz JL, Conkey AA, Brennan LA, Fedynich L, Green M	Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? Johnson AE	*Color evolution in the lories and lorikeets Merwin JT, Seeholzer GF, Smith BT	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	How an Interplay between Ovulation Order, Ambient Temperature, and Incubation Affects Offspring Fitness Sockman KW
**Jack P Hruska (11:30) Effects of winter food supply on nocturnal hybothermia hypothermia hybothermia hybothermia nesting colonies in an urban hybothermia nesting colonies in an urban hybothermia historia historia hybothermia nesting colonies in an urban hybothermia historia historia hybothermia historia historia hybothermia nesting colonies in an urban hybothermia historia historia historia historia hybothermia historia	11:15	Kaiya L Provost (11:15) James M Maley (11:20) *Cooper A French (11:25)	*Growing up in a noisy world: can grassland songbirds nestlings cope with the stress of growing up near oil development? Heathcote AL, Koper N	*The traits that predict forest bird responses to urbanization intensity Paton GD, Shoffiner AV, Wilson AM, Gagne SA	Fussing over food: factors affecting the vocalizations American Crows utter around food Pendergraft LT, Marzluff JM	Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays Chen N, Diamond J, Bowman R, Fitzpatrick JW	The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region Stralberg D. Sólymos P. Barker NK, Bayne E, Schmiegelow FK, Song S	
(11:45) Degree of immune challenge *Noctumal lights affect differentially affects a differentially affects oxidative stress and metabolism and the implications of metabolism (11:50) Butler MW, Armour EM (11:55) Degree of immune challenge a hord-building collisions oxidative stress and metabolism (11:55) Riverac Cáceres KD, Earry WA (11:55) Riverac Cáceres KD, Earry WA (11:55) Riverac Cáceres KD, Earry WA (11:55) Rider MW, Fink D, CN, Searcy WA (11:55) Rider MW, Fink D, Searcy WA (11:55) Right and Early MW, Fink D, Searcy WA (11:55) Right and Early MW, Fink D, Searcy WA (11:55) Right and Early MW, Fink D, Searcy WA (11:55) Right and Early MW, Fink D, Search MW, Fink D,	11:30	**Jack P Hruska (11:30) Michael J Andersen (11:35) (11:40)	Effects of winter food supply on noctumal hypothermia Nilsson J, Nilsson J, Watson H	A city of Oropendolas: A characterization of Psarocolius decumanus nesting colonies in an urban landscape Machado-Stredel F, Fernandes AM, Riera F, Pérez-Emán IL.	*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 JE	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	(11:50)	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 Leam 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 Al	Big Data beget bigger models: adventures in analyzing the output of species distribution models from eBird dww. Fink D. Hochachka WM, Fink D. Auer T. Johnston A, Kelling S.	Temperature & life history: effect of temperature manipulation during incubation on immunity and themoregulatory performance

18-36 Cottunations, Continuents, Continu	Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Highest and Second 10 (1981) excellent DNA and 10 (1981) e	Session	Abundance, Occupancy, Trends	Phylogeography	Birds & Agriculture	Life History	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
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Peckycephildree a new problematic scale and processing Bediversity octal bird process with a bighty actal bird process with a bighty actal bird broad bird process by propulation to be problematic Scaled and south America and South America Common Control bird Broad S.S. Deceph I. Mayle Broad S.S. Deceph I. Mayle Broad S.S. Storing W.D. Broad R. S. Storing W.D. Broad R. S. Storing W.D. Broad R. S. Storing and South America a	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 cooler 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
Propulation of the role of plumage color *Population status, Propulation status, Propulation in the Conservation in Price-Widthram MA, Shultz Price-Widthram MA, Wilkerson Mappel XM, Cibio A, Models Production of the Chorado Price-Widthram MA, Wilkerson Mappel XM, Cibio A, Models Production of the Chorado Price-Widthram MA, Wilkerson Mappel XM, Cibio A, Models Price-Widthram Mappel XM, Cibio A, Work (Supplied C. Course St.) Preceding Successor of the Chorago Population of the Charges in the Cooperatively breeding Population of the Charges in the Carry W Bonnam K, Wilker MA,	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 Giese JC, Schulle 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 CS, Rodewald AD
Landbird population trends in protected areas of the affected areas of the linearies of the linearies of the affected areas of the linearies of linearies of the linearies of the linearies of l	14:15	*Comparing Demography of Sympatric Scaled and Gambel's Quail Populations in Response to Weather in the Chihuahuan Desert Leipold EA, Carleton SA, Gould WR	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
Estimating Population Origin and evolution of the Trends with Dynamic Armic San Benedicto Island Andersen Male Integration of the Population Responses of the Trends with Dynamic Armic San Benedicto Island Andersen Male Integration of the Population of the Prization Critical Probability of Partial Price of Sation Cartiact San Benedicto Island Andersen Male Integration of Critical Probability of Partial Price of Sation Cartiact San Benedicto Island Andersen Male Integration of Critical Probability of Partial Islands of Spellous Price Island Islands of Spellous Price Island Islands Isla	14:30	Landbird population trends in protected areas of the North Coast and Cascades Network Ransom Jl, Ray C, Saracco JF, Holmgren M, Wilkerson R, Siegel R	*Isolation and gene flow affect the diversification of a South Pacific bird: the Foulchaio 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, Unitt P, Sparks	*Tracking grassland fledglings: 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 bosoletus 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, Koenig 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 ID, Armstrong EE	*Evolutionary dynamics of elevational ranges in Andean birds Gadek CR, Witt CC

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v, Late Afternoon	Agave II-III	Community ecology
Friday	Room	Session

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Сошт	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 char behavior o Islands sea	The changing foraging behavior of the Galápagos Islands seabird community Zam AM, Emslie SD, Valle	*Carotenoid metabolism strengthens the link between feather coloration and individual quality 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, Gurzwiller KJ	*Wigration strategies and nonbreeding movements of a threatened population of Black-crowned Night-Herons Stein KA, Keams LJ, Tonra CM	Mexican spotted owls and the Mescalero Apache Hoagland SJ	High resolution bird distributions from citizen science data Steen VA, Tingley MW, Elphick CS	Elevational range shifts in tropical avian communities Pimm S, Forero-Medina G
Lifetime u tree cavit and sub ecosystems Trzcinski Edgeworth	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	Population genetics and migratory connectivity of the Prothonotary Warbler DeSaix MG, Miles LS, Viverette CB, Dyer RJ, Bulluck LP	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 avian 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 TE
Dietaa differ coexisti birds in re prey and 1	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) Prutit ML, Smith KG, Ripper D, Revels M, Ramirez A, Tossing L	The Bobolink Project: Helping Farmers Protect Grassland Birds Anvood JL, LaBarr M, Strong A, Swallow S, Chakrabarti A, Hunt P	Combining citizen science with targeted monitoring for Gulf of Mexico tidal marsh 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
Californ commun prescrib rem manage Newma	California chaparral bird community responses to prescribed fire and shrub removal in three management seasons Newman EA, Potts JB, Tingley MW, Vaughn C, Stephens SL.	Sampling constraints affect mate choice in birds Wilson DR, Fraser B	Avian responses to indigenous community forest management in western Amazonia Arcilla N, Sutton M, Tsamajain-Shiwig O	*Effect of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds Tucker AM, DeRose-Wilson A, Catalano M, Zimnerman 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 science data Rournier 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, Kauffmun MJ, Stanley TR, Halley JM, Jenkins CN
*Influer Capelin o Diet i Struct Newf	*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	Loggerhead Shrike Predation on Dunes Sagebrush Lizards in Southeastern New Mexico Hathcock CD, Hill MT	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 NL, Langham GM,	Elevational changes in the avian community of a Mesoamerican cloud-forest park Neaue-Clegg MH, Jones SE, Burdekin O, Jocque M, Sekercioglu CH
New Ze Islanc Landbi Affected Succe Control	New Zealand Changing Islands: 35 years of Landbird Populations Affected by Inroductions, Succession, Predator Control, and Weather Ralph CI, Ralph CP, Long	Ornamental chick coloration in American coots: selection within or between broods? Lyon BE, Shizuka D	Thunk! Understanding Bird-window Collisions on the Utah State University Campus Sullivan KA, Sullivan KA, Sagers R, Hopkins D	Where do winter crows go? Characterizing partial migration with satellite telemetry, stable isotopes, and molecular markers Townsend AK, Frett B, McGarvey A, Taff CC	DISCUSSION		DISCUSSION

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Room	Room A cave II-III	Coronado I	*indicates student presenters engible for AOS presentation award Coronado II Presidio I	AOS presentation award 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, Lanctot 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-Duare A, McCreedy	Range-wide migration patterns in Vermivora warblers Kramer GR, Andersen DE, Buehler DA, Wood PB, Peterson SM, Lehman JA
10:45	The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy Peterson SM, Beissinger SR	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	Urban characteristics related to urban bird community in the desertic city of Hermosillo, Sonora, Mexico Castillo-Gámez RA, Johnston-López K, Mactas-Duarte A	Automated telemetry reveals staging behavior in a declining migratory passerine Wright JR, Powell LL, Tonra
11:00	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	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 Ammodramus sparrows in Durango, Mexico Martinez-Guerrero JH, Pereda Solis ME, Revalcaba-Oriega I, Macias-Duarte A, Canales-Casillo R, Strasser E	Insights into the Black Box of Long-Distance Migration Revealed by Emerging Tracking Technology Hallworth MT, Cooper NW, Cohen EB, Sillent TS, Ryder TB, Marra PP
11:15	Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (Strix occidentalis lucida) Lanier WE, Blakesley JA	A novel virus associated with beak deformities in wild birds Hache SA, Knaggs M, Nielsen SE, Bayne EM, Pankratz RF, Stratberg D	Two Negatives Equal a Positive: How SoCal's Wild Parrots (Non-invasive, Non-native) 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, MacManes M, Kovach A	Climate change and long-term trends in bald eagle (Haliaeetus leucocephalus) winter habitat use Ransom JI, Rubenstein MA, Christophersen R	Region-wide Desert Thrasher Surveys: An Example of a Collaborative Conservation Effort Fletcher DM, Harter LB, Anmon E	Upslope molt migration of Orange-crowned warblers on the west slope of the Sierra Nevada in California Wenny DG
11:30	The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls Yackulic CB	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, Ferrerti V, Burton E	Long-term patterns in breeding phenology and productivity of Flammulated Owls in a changing climate	Natal dispersal of Aplomado Falcons under drastic habitat loss in the Chihuahuan Desert of Mexico Macias-Duarte A, Alvarado-Castro JA, Gutierrez-Ruacho OG, Ortega-Rosas CI, Rodriguez-Salazar JR	From Alaska to the Amazon: migratory behavior of blackpoll warblers (Setophaga striata) across their breeding range DeLuca WV Woodworth BK, MacKenzie SA, Newman A, Sutton A, Freeman N
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 amnual 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 Mexoco Ravalcaba-Orrega I, Canales-del-Castillo R, Gonzále-Rojas II, Guzzhar-Velasco A, Guzzhar-Velasco A	
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Breeding I Taming the templifies select ness modulate micr variation? Scherr TM, Ch.	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Taming the birds select modulate variat Scherr TM	Breeding Biology	Conservation	Diseases & Parasites	Evolution	Sym: Setting Priorities for Research & Monitoring Bird Populations	Sym: Desert Birds in Peril: Research & Conservation Challenges	Sym: Bridging the Gap between Science & Conservation
	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	Ground-dwelling songbirds as competent carriers and reservoirs of vector-borne disease (Lyme disease) Hill AJ, Lituma CM, Wilson ME, Meade BJ, Hendricks BM, DeGroote LW	Fifty Shades of Brown: evolution of plumage brightness in a large clade of non-omamented Neotropical passerines Marcondes RS, Brumfield RT	Seeking the Knowledge-Action Boundary: Decision Analysis for Collaborative Conservation Lyons JE	Interactive effects of climate, landcover change, and habitat quality on Feruginous 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 wan Riper III C, Nichols JD, van Riper CJ, Stewart WP
Scarlet IM ecology & Tamboj Vigo Trauc.	Scarlet Macaw breeding ecology and behavior in Tambopata Peru Vigo Trauco G, Brightsmith	Conservation Planning Under Uncertainty: An Interactive Decision Support Tool for Least Bell's Virco Management Stanton JC, Hall L, Alvarado A, Kus B, Marek J, Morrissette E	Effects of supplemental feeding on gut microbiota and parasite resistance in Eastern Bluebirds Knutie SA	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-Dueñas G, Candes-Delgadiillo JC, Tinajero RI	Maintaining critical habitat for birds at the Salton Sea Jones AL, Krieger K, Salas L, Shuford WD, Cooper DS
Cold and s and risky: 1 in an alpi de Zwaan	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	Variation in malarial prevalence and diversity in thrush congeners along a latitudinal gradient of the Appalachian Highlands Starkloff VC, Turner WC, Kirchman JK	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 atlas: from spatial data to conservation across dynamic Arctic seas Smith MA, Goldman MS, Knight El, Sullender BK
Pinyon Jay cyanocepha Habitat U: Colonies ii Mountains Novak M	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	Patterns of Borrelia burgdorferi prevalence in Northern Illinois birds Marshall JS, Hanson C, Beckmann SM	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, Dodwyger	Drought-caused delay in nesting and its facilitation of parasite- and predator-mediated variation in reproductive success McCreedy CL, van Riper III	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
Intraspecifi but Not Pos across a S Ruskin KJ Borowske Elphick	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,	A novel virus associated with beak deformities in wild birds Van Hemert C, Zylberberg M, Handel CM, Pajot LM, DeRisi JL	Trends in carotenoid-consistent coloration across non-passerine birds Davis SN, Clarke JA		The response of birds to habitat restoration and environmental flows in the Colorado River Delta, Mexico	Community-based bird monitoring in biodiversity hotspots: integrating conservation, research, education, capacity building, and incomes Sekercioglu CH
White-headed (Picoides all habitat selecti survival: a analysis	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 EF, 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, in the Right Places, at the Right Time. The Integrated Waterbird Management and Monitoring Initiative Heglund PJ, Loges B, Newman J

	Coronado I	_	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Behavior Conservation Citizen Science & Communication		Citizen Science Science Communicatio	జ ౖ	Tropical Ecology	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 Gray-cheeked Thrush Gonservation of Sick's Comparison of Nest Defense Behaviors in Oulu, Finland associations with habitat, and the Little Belts, forestry practices, and the Montana Montana McDermont JP, Whitaker Bickford NA DM, Warkentin IG	Gray-cheeked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels McDermott JP Whitaker DM, Warkentin IG	Conservation of Sic Swifts (Chaetura meridionalis) in Sou Brazil: a successful c science initiative Biancalana RN	sk's t thern itizen	Threatened birds, dynamic habitats and disturbance processes: conservation ecology in one of the worlds most understudied savama ecosystems Kingsbury J, Davies G, Tonra C, Macleaod R	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 Prpit in the Chihuahuan Desert grasslands of Mexico Strasser EH, Ruvalcaba-Ortega I, Peña-Peniche A, Panjabi AO, Martinez-Guereno J, Canales-del-Castillo R.	Modeling transitory habitat in a dynamic agricultural landscape for the Streaked Horned Lark Hamilton CM, Bateman BL
Manipulating badges of strangers strangers strangers strangers strangers strangers block TA, Chaine AS, Shizuka D, Block TA, Zhang L, Lyon BE Manipulation of Southwestern A community-based approach to conserving the approach to conserving the approach to conserving the Records Along Southern island-endemic Calayan Rail Range Boundary Layusa CA, Reynon JB, Cuimayen AG, Oliveros CH	Evaluation of Southwestern Willow Flycatcher Breeding Records Along Southern Range Boundary Johnson GE	A community-ba approach to conservi island-endemic Calay Layusa CA, Reyno Guimayen AG, Olive	sed ing the ran Rail n JB, ros CH	Disturbance along a watershed in Belize maintains high species diversity in the bird community Rotenberg JA, Marlin JA, Pop L, Garcia W	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 threats, distributions, and reproductive output in Brown-headed Cowbirds (Molothrus ater) Rohn GM Virani MZ, Thorstrom R Job JR	State of the world's raptors: threats, distributions, and actions McClure CJ, Johnson JA, Westrip J, Schulvvitz SE, Virani MZ, Thorstrom R	Call of the Wild: U Natural Sounds Reco to Give Voice to A Conservation Job JR	sing rrdings vian	Dealing with drought in the rainforest Nishikawa ET, Brawn JD	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 a cooperative bird CP, Strong MJ Lituma CM, Joos CJ, Buehler DA					Using a structured decision making framework to support large-scale inference Adams EM, Fournier AM, Lyons JE, Woodrey MS	DISCUSSION	DISCUSSION
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	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				DISCUSSION	DISCUSSION	DISCUSSION
					DISCUSSION	DISCUSSION	DISCUSSION