

Wednesday, Morning Session

*indicates student presenters eligible for AOS presentation award

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Behavior	Conservation & Life History	Tropical & General Ecology	Molecular Ecology	Foraging & Food Habits	Biogeography	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
10:30	Social and Ecological Influences on Repertoire Size Across Birds <i>Leighton GM</i>	Movements and demography of the Brown-capped Rosy-Finch <i>George TL, Zavaleta E, VanBuskirk R, Spellman G</i>	*Lack of nest defense behavior leaves endemic Caribbean ground-nesting birds more vulnerable to depredation by invasive mammals <i>Garrod HM, Curry RL</i>	*Fitness consequences of hybridization in Saltmarsh and Nelson's sparrows <i>Maxwell LM, Walsh J, Olsen BJ, Kovach AI</i>	*Parasitic Indicators of Foraging Strategies in Wading Birds-A Great Blue Heron Case Study <i>Gumbleton SE, Kerstetter DW, Blumar CA, Hiron AC</i>	*Reconstructing the geographic origin of the New World jays <i>Fernando SW, Peterson AT, Li S</i>	Cats in Australia: numbers, management and impact on birds <i>Legge SM, Woinarski JC</i>
10:45	Stable social relationships between unrelated females increase individual fitness in a cooperative bird <i>Riehl CP, Strong MJ</i>	*Indirect effects of a competitor on life history and reproductive traits in a cavity nesting bird <i>Britton SE, Ballentine B</i>	* Annual habitat selection of the endangered, island-endemic Hawaiian Duck on Kauai <i>Malachowski CP, Dugger BD, Reynolds MH, Uyebara KJ</i>	*Characterizing the Northwestern Crow-American Crow hybrid zone using genetic data from 150 years of museum specimens <i>Slager DL, Epperly KL, Klicka J</i>	*Breeding season prey selection trends by the Little Blue Heron (Egretta caerulea) in coastal south Florida <i>Kohler ER, Gawlik DE, Martinez M, Romanach SS</i>	Sorting of some basic concepts associated with diversification in birds <i>Bates JM</i>	
11:00	*Do birds of a feather covey together? Social networks and pair bonding within a sympatric Callipepla quail population <i>Zonana DM, Gee JM, Bridge ES, Doad DF</i>	Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers <i>Hunt KL, Gibson D, Callin DH, Friedrich MJ, Huber CJ, Fraser JD</i>	*Breeding bird use of restored shallow lakes in Iowa <i>Vanousdall RA, Dinsmore SJ</i>	DNA metabarcoding reveals dietary shifts in response to acidification in a stream-dependent Neotropical migrant <i>Trevelline BK, Nuttle T, Porter BA, Brouwer NL, Hoenig BD, Latta SC</i>	*Condition-dependent foraging strategies of brown pelicans (Pelecanus occidentalis) in the northern Gulf of Mexico <i>Geary B, Walter ST, Leberg PL, Karubian J</i>	Definition of arid-Zone Carduelini Finches by DNA Phylogeography: American and Asian G. Carpodacus is Taxonomically Split <i>Arnaiz-Villena A, Ruiz-delValle V, Palacio-Gruber J, Campos C, Muniz E</i>	A review of the impacts of free-ranging domestic cats on North American wildlife <i>Loss SR, Marra PP</i>
11:15	*Exploratory behavior in wild chickadees: contrasting two field methods <i>Polekoff SE, Bennett BL, Curry RL</i>	How does EPA assess risks of chemicals to birds? <i>Etterson MA, Garber K, Jarvis A</i>	*Can citizen scientists provide reliable avian count data in low diversity neotropical areas? <i>Bergen NP, Koper N</i>	Investigating the molting and migration strategy of the Painted Bunting through genomics and stable isotopes <i>Contina A, Kelly J, Bridge E, Ruegg K</i>	*Dietary niche dynamics of two alcids in northeastern Newfoundland under varying prey availability <i>Gulka JE, Davoren GK</i>	Three Extirpated Ice-Age Birds in the Bahamas <i>Steadman DW, Oswald JA, Takano OM, Franklin J</i>	The role of domestic cats in the admission of injured birds to rehabilitation and rescue centers <i>Loyd KT, McRuer DL, Hernandez SM</i>
11:30	*Environmental temperature and human disturbance affect Least Tern (Sternula antillarum) incubation behavior and egg temperatures <i>Snowden RO, Danner RM</i>	*Assessing the impacts of Burmese pythons on wading bird nesting colonies in the Everglades of Florida <i>Orzechowski SC, Hunter ME, Romagosa CM, Frederick PC</i>	Theory of trophic specialization in Neotropical insectivorous birds, and implications for resource partitioning and the niche <i>Sherry TW, Kent C, Sanchez N, Sekercioglu CH</i>	Within-group relatedness and patterns of cooperation and reproductive sharing in the cooperatively breeding chestnut-crested yuhina <i>Kaiser SA, Martin TE, Oreyza JC, Danner JE, Armstad C, Fleischer RC</i>	*Winter diet composition of Montezuma quail in southern Arizona <i>Lopez, Bujanda OE, Macias Duarte A, Castillo Gamez RA, Montoya AB</i>	Testing the ancient Amazonian origins of a group of open-habitat subsocial birds (Pachyramphus) <i>Musher LJ, Auerbach A, McKay JS, Cracraft J</i>	Feral Cats and One Health <i>Justice-Allen A, Jessup D</i>
11:45	Apparent buffering of population decline after habitat loss in an endangered cooperatively breeding songbird <i>Mortensen JL, Temple HL, Curry RL, Reed JM</i>	Regional Occupancy and Post-fire Recovery of California Gnatcatchers in Southern California <i>Kus BE, Preston KL, Houston A</i>	Bahama orioles in the pine forest: documentation of new breeding habitat and higher population densities improve prospects for a critically endangered species <i>Onland K, Johnson S, Stanley R, Studds C, Sillert T, Shelley C</i>	*Elucidating Black-capped Vireo movement ecology in central Texas using genetics and modeling <i>Hauser SS, Walker L, Leberg P</i>	Picky eaters: An undergraduate laboratory exercise <i>Bowlin MS</i>	*Biogeography and trait evolution of the pantropical avian order Coraciiformes <i>McCullough JM, Moyle RG, Smith BT, Andersen MJ</i>	Look What the Cat Dragged In: Human Diseases <i>Duffy DC</i>

LUNCH BREAK

Wednesday, Early Afternoon Session

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Room	Agave 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 <i>Ross JD, Panditi MM, Bouzat JL</i>	Conservation of Henslow's Sparrow in the Chicago Metropolitan Area: An Area With Surprisingly Good Long-term Potential <i>Heckert JR</i>	Biological control of tamarisk reduces bird abundance, density and richness: Implications for southwestern riparian habitat and management <i>Mahoney SM, Johnson MJ, Holmes JA</i>	Genomic Consequences of Secondary Contact in the Kolombangara White-eyes <i>Cowles SA, Uy JA</i>	Underlying Mechanisms of Avian Hybridization: Process to Pattern <i>Safran RJ, Taylor SA</i>	Phylogeny, taxonomy and geographic diversity of diurnal raptors <i>Mindell DP, Fuchs J, Johnson JA</i>	The life cycle of <i>Toxoplasma gondii</i> and its impact on wildlife <i>Barbieri MM</i>
13:45	Selection pressures tied to elaborate female and male song across Fairy-wrens <i>Odum KJ, Cain KE, Hall ML, Karubian J, Embody ED, Webster MS</i>	*Landscape context, vegetation structure, or plant identity? Investigating potential drivers in site selection by shrubland birds <i>Ripple KE, Siodola K, Zava DN, Merrill L, Benson TJ</i>	What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape <i>Sireby HM, Kramer GR, Peterson SM, Daly KO, Andersen DE</i>	Barriers to gene flow and speciation in the yellow-rumped warbler <i>Pierce DK, Teewes DP, Irwin DE, Brelsford A</i>		New material of Pellornis clarifies pattern and timing of the extant gruiform radiation <i>Musser GM, Field DJ, Ksepka D</i>	Estimating free-ranging cat abundance: an overview of techniques, study designs, and models <i>Cove MV</i>
14:00	High frequency vocalizations of the Black Jacobin, a hummingbird of the Topaz clade <i>Olson CR, Fernandez-Peters M, Portfors CV, Mello CV</i>	*Examining the microclimate hypothesis in Neotropical birds: indirect tests of the 'visual constraints' mechanism <i>Ruti CL, Midway SR, Jirinec V, Stouffer PC</i>		Domestic pigeon's checkered past: a link between wing color patterning, introgression, and hereditary blindness <i>Vickrey AJ, Bruders R, Kronenberg Z, Osborne EJ, Yandell M, Shapiro M</i>	*Female competition facilitates hybridization in sex-role reversed jacanas <i>Lipshutz SE, Derryberry EP</i>	Uneven missing data skews phylogenomic relationships within the lorises and lorikeets <i>Smith BT, Mauck WM, Benz BW, Andersen MJ</i>	Managing the CATastrophe: exploring the options for reducing the numbers of free-ranging felines <i>Cherkassky LM</i>
14:15	Call urgency level predicts the response of a Neotropical bird community: mobbing versus distress call response <i>Sandoval L, Corrales J</i>	*Characterizing adult and juvenile use of red-pine dominated plantations in Wisconsin's population of Kirtland's warblers <i>Hamrah AM, Grvetes K, Warner S, Lopez D, Ribic C, Pidgeon A</i>	eBird records show substantial growth of the Allen's Hummingbird population in urban Southern California <i>Clark CJ</i>	*Testing for ecological speciation across an elevational gradient in New Guinea forest kingfishers <i>Linck EB, Freeman BG, Dumbacher JP, Klicka J</i>	Learning and memory deficiencies in hybrid chickadees as a potential postzygotic reproductive isolating barrier <i>Rice AM, McQuillan MA</i>	*Phylogenetic relationships of weaverbirds: A first species-level molecular phylogeny of the family Ploceidae <i>De Silva TN, Peterson AT</i>	Hawaii as a case study in free-ranging cat problems and solutions in the United States <i>Lepczyk CA</i>
14:30	*Novel analysis of isolate song reveals interspecific variation in learned components <i>Love JW</i>	*Declining old-forest species as a legacy of large trees lost <i>Jones GM, Keane JJ, Gutiérrez RI, Peery MZ</i>	*Using Structured Decision Making to Balance Stakeholder Objectives for Red-cockaded Woodpecker Management <i>Brown EJ, Ferguson PF</i>	Phylogeny of avian orders based on genome-wide coalescent analysis of insertion/deletion mutations (indels) <i>Houde P, Braun EL, Mir Arabbaygi S</i>	*Genome-wide patterns of divergence in Passerina and Cyanocorpsa buntings <i>Megna LC, Carling MD</i>	*Unexpected conspecific Leucocytozoon infection in woodpeckers and passerines <i>Groff TC, Lorenz T, Sehgal R</i>	Utilizing social science to advance the dialogue about free-ranging domestic cats <i>Granza AR, Leong K, Lepczyk C, Teel TL, Crooks KR</i>
14:45	Do Grasshopper Sparrows have a Caribbean accent? <i>Lohr B</i>	Avian Response to Implementation of Cerulean Warbler Habitat Management Guidelines <i>Wood PB, Nareff G, Larkin J, Ford M, Fearer T</i>	Incorporating Woodpecker Habitat into Design of Post-Fire Salvage Logging <i>Saab VA, Latiff QS, Dudley JG, Stokes L</i>	Spatiotemporal structuring and genomic architecture of multiple transects across an avian hybrid zone <i>Curry CM, Patten MA, Weir J</i>	Hybridization and introgression after the 19th century invasion of Glossy Ibis (<i>Plegadis falcinellus</i>) into the New World <i>Braunfeld RT, Oswald JA, Harvey MG, Rensen RC, Foxworth DU, Dittmann DL</i>	Integrative taxonomy of the northern White-browed Shortwing <i>Brachypteryx montana</i> taxa supports recognition of three species <i>Rasmussen PC, Alstrom P, Xia C, Gelang M, Lui Y, Chen G</i>	Legal considerations for addressing feral and free-ranging cats at the State level <i>Kisonak LS</i>

COFFEE BREAK

Wednesday, Late Afternoon Session

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Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session				Genomics & Evolution	Sym: Underlying Mechanisms of Avian Hybridization	Sym: Early Professional Mini Talks	Sym: Tackling the Impacts of Free-ranging Cats on Birds & People
15:30				Genomic data provide a flicker of hope for differentiating taxa in the Northern Flicker complex <i>Aguillon SM, Campagna L, Harrison RG, Lovette IJ</i>	Anthropogenic habitat disturbances and hybridization <i>Grabenstein KC, Burg TM, Otter KA, Taylor SA</i>	Intro: Christopher Tonra (15:30) Elizabeth A Gow (15:35) Erik D Enbody (15:40)	National and International Legal Approaches to Curbing Cat Predation <i>Hunter DB</i>
15:45				Extraordinary genetic similarity between Rufous and Allen's hummingbirds inferred from whole genome sequences <i>Brelsford A, Lagunas-Robles G, Myers B, Burns K, Clark C</i>	The role of migratory behavior in reproductive isolation at avian hybrid zones <i>Turbek SP, Scordato ES, Safran RJ</i>	Dan Gibson (15:45) Karan J Odom (15:50) Andrew J Boyce (15:55)	Free-ranging Cats: Strategies and Challenges from the Front Lines of Conservation <i>Sizemore GC</i>
16:00				A comparison of genetic variability in the cytochrome c oxidase gene between sparrows and nuthatches <i>Penn JK, Fernandez M, Malloy M</i>	High recombination rate might contribute to intricate speciation patterns in the White wagtail (<i>Motacilla alba</i>) <i>Semenov GA, Basheva E, Borodin PM, Torgasheva A, Scordato ES, Khaydarov DR</i>	Philina A English (16:00) Brian C Weeks (16:05) Alex E Jahn (16:10)	DISCUSSION
16:15				Indirect genetic effects and the assortativity of cooperative phenotypes in the social networks of a lek-breeding bird <i>Ryder TB, Dakin R</i>	Genomics of Admixture and Asymmetrical Introgression Between Two Ecologically Divergent Sparrow Species <i>Walsh JL, Kovach AI, Olsen BJ, Shriver G, Lovette IJ</i>	Michael G Harvey (16:15) Katie LaBarbera (16:20) Richard A Stanton (16:25)	DISCUSSION
16:30				Phylogeny of all passerine families reveal a diversification history tied to Cenozoic global climate <i>Oliveros CH, Field DJ, Ksepka DT, Barker FK, Moyle RG, Faircloth BC</i>	Introgression across the Great Plains towhee hybrid zone characterized with historical DNA <i>Billerman SM, Butcher BG, Lovette IJ</i>	Benjamin G Freeman (16:30) Sara E Lipshutz (16:35) Conclusion: Sara A Kaiser (16:40)	DISCUSSION
16:45				Identifying the genetic control and role of pleiotropy in melanin pigmentation with the Eastern Screech-owl <i>Kurtis SM, Schmitt J, Kimball RT, Edwards SY</i>	Selection counteracts gene flow in the maintenance of color differences between subspecies of a monarch flycatcher <i>Uy JA, Cooper EA</i>	Q&A Panel (16:45)	DISCUSSION

Thursday, Morning Session

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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	Songs & Vocalizations	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 <i>Vennum CR, Briggs CW, Street PA, Collopy MW, Woodbridge B, Koons D</i>	Neotropical Flyways Project: Mapping Migratory Stopover Sites in Central and South America <i>Rosenberg KV, Bayly NJ, de Pilar Caicedo A</i>	Loss of Cultural Diversity in Hawaiian Honeycreepers Over the Last 40 Years <i>Paxton KL, Sebastidin-González E, Crampton LH, Kuhn D, Hart PJ</i>	Bioacoustic Monitoring reveals exact timing of courtship, incubation, hatching, and fledging of a Tricolored Blackbird colony <i>Schackwitz WS, Greene AM, Woodruff JM</i>	*Avian communities are decreasing with piñon pine mortality in the southwest <i>Barlow AW, Hathcock CD, Fair JM</i>	Ecology and conservation of grassland birds of the Great Plains: challenges and opportunities <i>George TL, Panjabi AO, Beh A</i>	Avian diversification in biodiversity hotspots <i>Younger JL, Stoezel L, Maddox D, Raherilalao MI, Goodman SM, Reddy S</i>
10:45	Research Recommendations for Understanding the Decline of American Kestrels (<i>Falco sparverius</i>) Across Much of North America <i>Schulwitz SE, McClure CJ, Van Buskirk R, Pauli BP, Heath JA</i>	*Weather over the Gulf of Mexico influences broad-scale stopover patterns of migrating birds in the spring <i>Clipp HL, Cohen EB, Smolinsky JA, Buler JJ</i>	*Latitude predicts repertoire size in migratory, but not sedentary, rock wrens (<i>Salpinctes obsoletus</i>) <i>Najar NA, Benedict L</i>	*Evening point counts produce similar occupancy estimates as morning point counts for many species <i>Gilbert NA, Ferguson PF</i>	*The effects of bison reintroduction on grassland nesting birds in tallgrass prairie <i>Herakovich HA, Jones HP</i>	Global reduction in greenhouse gas emissions diminishes climate change vulnerability of grassland birds in North America <i>Wilsey CB, Taylor L, Bateman B, Panjabi A, Langham G</i>	How do geographic barriers structure population genomic variation in Philippine birds? <i>Hosner PA, Moyle RG</i>
11:00	Effects of Habitat Loss and Nesting Density on Survival and Breeding Propensity of an Endangered Shorebird <i>Catlin DH, Gibson D, Hunt KL, Friedrich MJ, Weithman CE, Fraser JD</i>	How migrating songbirds survive crossing the Gulf of Mexico in autumn <i>Ward MP, Benson TJ, Depppe J, Zenzal TJ, Diehl R, Cels-Murillo A</i>	Rhythms of the Doves <i>Whechwright NT, Butterworth J, Greenlee RK</i>	Identifying error in forest bird landscape capability models <i>Loman ZG, Harrison D, Deluca WV, Loftin CS, Rolek BW, Wood PB</i>	*Burnin' for you: an evaluation of turkey habitat use in response to prescribed fire <i>Parker CM, Hoover J, Benson TJ, Schelsky W, Garver L</i>	Physiology and behavior of grassland songbirds exposed to oil wells and anthropogenic noise <i>Koper N, Des Brisay P, Heathcote A, Ng C, Curry C, Warrington M</i>	Selection on pigmentation genes leads to rapid phenotypic evolution in a finch radiation <i>Campagna L, Lovette I</i>
11:15	Contrasting responses of neighboring piping plover populations toward habitat creation, conservation, and potential disturbance <i>Kwon E, Weithman CE, Catlin DH, Karpany SM, Fraser JD</i>	Fifty years and still eating the same: a tale of refueling performance from two long-term banding stations <i>Crary AL, DeGroot LW, Shielcastle MC, Streby HM</i>	Low amplitude vocal signaling by rock wrens <i>Benedict L, Najjar N, Pitt S</i>	A bird's eye view of forecasting phenological change across North America <i>Posthumus EE, Crimmins TM, Rosemartin AH</i>	*Measuring Winged Warbler (<i>Vermivora</i> sp) Occupancy as a Function of Landscape Structure at Multiple Spatial Scales in the Champlain Valley of Vermont <i>Lamonde SA, Willey L</i>	Movement ecology of grassland sparrows and why it matters for conservation <i>Boyle A</i>	Ecological and biogeographical drivers of diversification in New World suboscine birds (Aves; Tyranni) <i>Harvey MG, Bravo G, Claramunt S, Derryberry G, Derryberry EP, Brumfield RT</i>
11:30	*Home range and habitat use of Baird's and Grasshopper sparrows in the Marfa grasslands, Texas <i>Perez-Ordóñez DJ, Titulaer M, Boeza-Torin F, Strasser EH, Martin R, Harversen L</i>	Spatial and temporal patterns in spring stopover habitat use around the Gulf of Mexico <i>Cohen EB, Buler JJ, Clipp HL, Marra PP</i>	Cultural selection as a mechanism of acoustic adaptation to city noise for songbirds <i>Moseley DL, Derryberry GE, Phillips J, Danner JE, Danner RM, Luther DA</i>	Measuring Total Plasma Protein in Wild Birds <i>Fair JM, Jankowski M, Skinner A, Hatch M</i>	Avian diversity in a fragmented Neotropical landscape: 2003 - 2017 <i>Karubian J, Browne L, Castillo F, Carrasco L, Walter S</i>	Tracking Mountain Plover migration: conservation implications of non-breeding habitat use <i>Pierce AK, Dinsmore SJ, Duchardt CJ, Dwyer AM, Jorgensen D, Marra PP</i>	*Genomic approaches to understanding speciation in Jamaican-endemic streamertail hummingbirds <i>Judy CD, Graves GR, Brumfield RT</i>
11:45	Urban intensity influences white-winged dove abundance and survival across the Texas <i>Mathewson HA, McInerney C, Hall J, Oldenburger S, Frisbie M, Schwerntner T</i>	Shared morphological consequences of global warming across the North America migratory avifauna <i>Winger BM, Weeks BC, Willard DE</i>	Exploring patterns of vocal performance across song types in field sparrows <i>Gill SA, Vonhof MJ</i>	*Evaluating the relationships between eastern hemlock decline and Louisiana waterthrush demographics and behavior in Tennessee <i>Bryant LC, Beachy TA, Boves TJ</i>	*Spatial Distribution and Site Fidelity of Long-billed Curlews Wintering in California and Mexico <i>Coates SE, Carlisle JD</i>	Rapid evolution of plumage traits in African white-eyes: a genomic perspective <i>Bowie RC, Wogan GO, Bi K, Oatley G, Voelker G</i>	

LUNCH BREAK

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Undergraduate Symposium	Movements & Dispersal	Landscape Ecology	Evolutionary Ecology	Sym: Understanding Avian-solar Interactions	Sym: Ecology & Conservation of Birds in the Great Plains	Sym: Ecology, Evolution & Conservation of Molt-migration
13:30	Call Development in Grasshopper Sparrows <i>Kaur M, Lohr B</i>	*Using eBird data to help inform stable isotope models of migratory connectivity in the Prothonotary Warbler <i>Reese JA, Tonra C, Vivrette C, Marra P, Bulluck L</i>	*Impact of Nesting Microhabitat and Foraging Habitat on the Nesting Site Selection of the Northern Black Swift (Cypseloides niger borealis) <i>Single AJ, Van Laar T, Gunn C, Potter K</i>	*Ecomorphology of the introduced avian frugivores on the Hawaiian Islands of Oahu and how it relates to rapid morphological change <i>Gleditsch JM, Kelley JP, Tarwater CE, Foster JT, Sperry JH</i>	Overview of solar-avian interactions in the Mojave Desert <i>Dietsch TV</i>	A Baird's life: a full-annual-cycle perspective of Baird's and Grasshopper Sparrows of the Northern Great Plains <i>Correll MD, Bernath-Plaisted J, Strasser EH, Revulcaba-Ortega I, Martinez JH, Titulare M</i>	Expanding the traditional definition of molt-migration: towards a more comprehensive synthesis of overlap in two life history stages <i>Tonra CM, Reudink M</i>
13:45	Variation in male solo song dialects of White-eared Ground-Sparrows (Melozone leucotis; Passerellidae) through time <i>Bonilla K, Sandoval L</i>	Winter distribution of Atlantic and Great Lakes Piping Plovers <i>Gratto-Trevor CL, Rock J, Shaffer F, Catlin D, Hunt K, Fraser J</i>	*A landscape approach to understanding breeding habitat of a rapidly declining migratory songbird <i>Schold EK, Bulluck LP</i>	Thy neighbors matter: An experimental test of the prey site partitioning hypothesis <i>Chalfoun AD, Sanders L, Scherr T</i>	Avian Conservation and Collaboration: Coordinating Research Priorities to Better Understand Avian-Solar Interactions <i>Walston LJ</i>	Response of nomadic grassland birds to temporal variation in habitat conditions <i>Green AW, Pawlucky DC, George TL</i>	Diversity of Strategies of Remigial Molt among Sea Ducks <i>Esler D</i>
14:00	*Male Song Behavior in a Black-Capped and Carolina Chickadee Hybrid Zone <i>Monroe KA, Curry RL</i>	Tracking the movements of juvenile Wood Thrush (Hylocichla mustelina) at local and national scales to uncover the 'black box' in juvenile dispersal <i>Hayes SM, Stutchbury B, Boyd B</i>	Using the Gradient Concept to Visualize Breeding Bird Richness and Woody Structure Relationships on South Texas Rangelands <i>Ortiz JL, Conkey AA, Brennan LA, Perotto-Baldovino HL, Wester DB, Lombardi JV</i>	*Stress-induced maternal effect links local competitive environment with large-scale changes in population demography <i>Politicary AL, Duckworth RA</i>	Migration through an unforgiving landscape: Implications for addressing solar-avian interaction issues <i>Diehl RH</i>	Effectiveness Monitoring to Evaluate Contributions of Lesser Prairie-Chicken Conservation to Biodiversity in the Great Plains <i>Pawlucky Jr DC, Green AW, Bartuszevige AM, Iovanna R, Hagen CA</i>	*Measuring the diversity of molting spatial strategies among western landbirds using long-term banding data <i>Figueira L, Martins PV, Ralph CJ, Alexander JD, Stephens JL, Wolfe JD</i>
14:15	*Extrapair parentage in a rapidly moving chickadee hybrid zone: confounding factor for analysis of fitness consequences of interbreeding? <i>Burton ES, Curry RL</i>	Flight behavior of Sandhill Cranes (Antigone canadensis) in the vicinity of wind turbines <i>Kirsch EM, Wellik M, Diehl R, Starek M, Sojda R, Woyczik W</i>	*Avian Feeding Guild Responses to Forest Fragmentation in Costa Rica <i>Cox CM, Nibbelink NP</i>	*Intraspecific niche divergence within a geologically novel ecosystem <i>Conway M, Kovach AI, Olsen BJ</i>	Using Genoscapes to Understand the Impacts of Solar on Migratory Birds <i>Ruegg KC, Boy R, Smith T</i>	Identifying priority areas for grassland songbirds in Canadian Prairie Potholes Region <i>Robinson BG, Charchuk C</i>	Habitats and Conservation of Molt-migrant Birds in Southeastern Arizona and Northwestern Mexico <i>Albert SK, Pyle P, Chambers M, Leitner W, Siegel RB</i>
14:30	*Nuclear DNA supports mitochondrial and phenotypic divergence in Steller's Jays (Cyanocitta stelleri) <i>Oong Z, Cicero C, Hanna ZR, Feldheim K, Bowie RC</i>	*Wood Thrush movements within the breeding season: Implications for availability for survey in distance and occupancy sampling <i>Jirinec V, Leu M</i>	Landscape heterogeneity explains taxonomic, not functional or phylogenetic, bird diversity across agricultural landscapes <i>Ke A, Sibuya M, Reynolds C, McCleery RA, Monadjem A, Fletcher RJ</i>	*Convergent morphological evolution within the largest radiation of Neotropical songbirds (Thraupidae) <i>Demery AC, Burns KJ</i>	How do different bird species visually perceive solar panels? Implications for reducing avian mortality in solar facilities <i>Fernandez-Juricic EN, Baumhardt P, Kelly KL</i>	Variation in altitudinal molt migration in western birds <i>Wolfe JD, Wiegandt AK, Ralph CJ, Stephens J, Alexander J</i>	Variation in altitudinal molt migration in western birds <i>Wolfe JD, Wiegandt AK, Ralph CJ, Stephens J, Alexander J</i>
14:45	*The Evolution of Tarsal Spurs in Galliformes <i>Griffith EV, Kimball R</i>	Home-Range Scale Habitat Selection Patterns Do not Necessarily Imply Home-Range Scale Decisions <i>Yanco SW, Linkhart BD, Wunder MB</i>	The role of seed dispersal by corvids in the recovery of oak habitat on California's largest islands <i>Pesendorfer MB, Sillett S, Morrison SA</i>	Pattern and paradox in passerine nest types <i>McEntee JP, Burleigh JG</i>	*Are solar facilities in the southwestern U.S. a threat to Yuma Ridgway's rails? <i>Hartry EJ, Conway CJ</i>	*Context-dependent influences of vegetation structure on nest survival in the shortgrass steppe <i>Carver AR, Augustine DJ, Wunder MB</i>	Drivers of molt-migration in intra-tropical migratory birds <i>Jahn AE, Guaraldo AC, MacPherson M, Ryder TB</i>

COFFEE BREAK

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Undergraduate Symposium	Annual Cycle	Behavior & Breeding Biology	Genomics	Sym: Understanding Avian-solar Interactions	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 <i>Handi BM, Ardila DR, Bashaw MJ, Rivers JW</i>	*Breeding season carry-over effects of forest fragmentation on Wood Thrush (<i>Hylocichla ustulata</i>) <i>Boyd B, Hayes S, Stutchbury B</i>	What does the blue-green colour of robin eggs signal, if anything? <i>English PA, Parker LD, Montgomerie R</i>	Chromosomal inversions and reproductive isolation in an avian hybrid zone <i>Hooper DM, Griffith SC, Price TD</i>	Regional Observations and Trends in Avian Mortality at PV Solar Facilities <i>Erickson WP, Kosciuch K, Riser-Espinosa D, Gerringer M, Jeroue L, Martinson L</i>	Quantifying the contribution of ranching to grassland birds of the northern Great Plains <i>Ellison KS</i>	*Use of non-breeding sites for prebasic molt by the long-distance migrant Swainson's Thrush <i>Martins PV, Figueira L, Frey RI, Ralph CI, Alexander JD, Stephens JL</i>
15:45	*Assessing Variation in Isotopic Signatures of Tissues for a Migratory Songbird (Tree Swallow) <i>Gingras RM, Taylor AR, Causey D</i>	Breeding season length and climate conditions in winter affect survival of a passerine during migration <i>Sillert S, Rushing CS</i>	Experimental Tests of Delayed Dispersal in Fairy-wrens <i>Pruett-Jones S, Johnson AE</i>	Genomic underpinnings of acrobatic social displays in neotropical manakins (Pipridae) <i>Balakrishnan CN, Driver RJ, Day LB, Pease JB, Fuxjager MJ</i>	An estimate of natural avian mortality in the Mojave Desert <i>Huso MM, Fesnock AL, Allison L</i>	Prioritizing and Evaluating North American Grassland Bird Conservation Efforts <i>Michel NL, Grand J, Wilsey C, Lingham G</i>	Evidence for a prealternate molt-migration in Rufous Hummingbirds <i>Sieburth NL, Pyle P</i>
16:00	*Avian spring migration as a dispersal mechanism for a forest insect invasion <i>Russo NJ, Cheah CA, Elphick CS, Tingley MW</i>	Parrot border crossing?: Biology and conservation of endangered red-crowned parrots in the Rio Grande Valley of Texas <i>Arellano CM, Henahan AK, Shackelford CE, Berg KS</i>	The effects of Brown-headed Cowbird (<i>Molothrus ater</i>) brood parasitism on the growth and development of grassland songbird hosts <i>Winnicki SK, Boyle WA</i>	Investigating Local Adaptation in Gümünson Sage-grouse Populations <i>Zimmerman SJ, Aldridge CL, Oyster-McCance SJ</i>	The geographic footprint of California solar energy effects on bird populations <i>Vander Zanden HB, Nelson DM, Conkling TJ, Katzner TE</i>	DISCUSSION	Upslope molt migration of Orange-crowned warblers on the west slope of the Sierra Nevada in California <i>Wenny DG</i>
16:15	*Effects of Land Management Type on American Kestrel (<i>Falco sparverius</i>) Occupancy and Recruitment <i>Kohler AK, Sellers MR, Olson ER, Doolittle TC, Heeringa B</i>	Southwestern Willow Flycatcher (<i>Empidonax traillii eximius</i>) wintering ecology in Nicaragua <i>Whitfield MJ, Ruegg K, Osterstrom SM</i>	*Winter mates impact summer dates: Linking non-breeding social environment and reproductive success in an Australian songbird <i>Wellkin JF, Lantz SM, Khalil S, Karubian J, Webster MS</i>	*Evolutionary genomics and transcriptomics of variable female plumage ornamentation in a New Guinea <i>Malurus</i> fairywren <i>Enbody ED, Sin SY, Webster MS, Edwards SY, Karubian J</i>	Demography of birds killed at solar energy facilities <i>Conkling TJ, Vander Zanden HB, Diffendorfer JE, Duerr AE, Loss SR, Nelson DM</i>	DISCUSSION	Linking life-history events through feather quality <i>Rohwer VG</i>
16:30	Influence of Drought on Nest Phenology of the Burrowing Owl [Athene Cunicularia] Throughout the Great Plains Region <i>Porro CM, Desmond MJ, Savidge JA, Gebreselassie FA, Cruz-McDonnell K, Griebel R</i>	Effects of Drought on Brood Parasite Body Condition, Follicle Development and Parasitism: Implications for Host-Parasite Dynamics <i>Buxton VL, Schelsky WM, Boves TJ, Summers S, Weatherhead PJ, Sperry JH</i>	Genome-wide analysis of differentiation and introgression in Anna's and Costa's hummingbirds <i>Henderson EC, Brelsford A</i>	Impacts of solar energy development on breeding birds of the Nutt Grasslands, NM <i>Meliopoulos DT, Desmond MJ, Daniel D</i>	DISCUSSION	DISCUSSION	The effects of life history and external drivers on the molts of migratory birds <i>Terrill RS, Maley JM, Tsai WL, Wolfe JD, Seelholzer GF, McCormack J</i>
16:45	Carry-over effects of spring migration distance on reproductive success of tree swallows <i>Gow EA, Knight SM, Bradley DW, Clark RG, Dawson RD, Norris RD</i>	Behavior of nestling and adult grassland passerines at fledging <i>Ribic CA, Koper N, Ng CS, Ellison K, Rugg DJ</i>	Creepers Genomics <i>Manthey JD</i>	Renewable Energy and Birds <i>George G</i>	DISCUSSION	DISCUSSION	DISCUSSION

Room	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	DeGroote LW et al. Common Potoo Migration Becker D Thrush switch in the Andes Lin M et al. Does playback affect breeding performance? Mossman BN et al. Movement & diet of a frugivorous bird Kiacz SR et al. Estimating reproductive rates from parrot roosts	Overcoming thermal and hypoxic challenges of high elevations in two hummingbird species <i>Spence AR, Tingley MW</i>	*Ectoparasitism of the Wood Thrush (<i>Hylocichla ustulata</i>) in Suburban Forests <i>Straley KM, Warren P, King D</i>	*Occurrence and variability of tactile interactions between wild American crows and dead conspecifics <i>Swift KN, Marzluff J</i>	Adaptations for relative larger brains in hummingbird skulls <i>Ocampo D, Barrantes G, Uy JN</i>	Integrating citizen science and structured data to inform conservation and management <i>Michel NL, Meehan TD, Wilkey CB, Langham GM</i>	Avian reproduction in the heat and limits on activity <i>Wolf BO, Smith EK</i>
10:45		*Cats are always scary: corticosterone response to live predator presentation in captive house sparrows <i>Kucera AC, Heidinger BJ</i>	The role of weather in bird-building collisions in a downtown area of a major U.S. city <i>Lao S, Anderson AW, Blair RB, Eckles JW, Turner RJ, Loss SR</i>	*Social network position correlates with exploratory behavior in Carolina Chickadees (<i>Parus carolinensis</i>) <i>Garlinger RD, Polekoff SE, Curry RL</i>	Hemoglobin evolution across elevational transitions in the phylogeny of the diglossine tanagers <i>Witt CC, Beckman EJ, Chavez AC, McCullough JM, Andersen MJ, Storz JF</i>	New initiatives at cooperative bird banding stations aid the conservation of migratory species <i>Albert S, Saracco J, Ruegg K</i>	*Latitudinal variation in nest microclimate explains variation in hatching success, nestling growth, and nestling survival in burrowing owls <i>Lundblad CG, Conway CJ</i>
11:00	Houde P et al. Countershading in seabirds O'Connell TJ et al. Drought responses in Great Plains birds Wright ME et al. Next-Gen sequencing of raptor pellets & feces	Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success <i>Blizard MA</i>	Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum <i>Ortiz JL, Conkey AA, Brennan LA, Fedynich L, Green M</i>	Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? <i>Johnson AE</i>	*Color evolution in the lorises and lorikeets <i>Mervin JT, Seelholzer GF, Smith BT</i>	Implications of climate change for wetland-associated birds in the U.S. interior: application of citizen science data <i>Skagen SK, Steen VA, Sojaer HR, Reese GC</i>	How an Interplay between Oviposition Order, Ambient Temperature, and Incubation Affects Offspring Fitness <i>Sockan KW</i>
11:15	Provost KL et al. Population genomics of North American desert birds Maley JM et al. Niche differentiation & admixture of L.A. parrots *French CA et al. Environmental heterogeneity & migration impact songbird hybridization	*Growing up in a noisy world: can grassland songbird nestlings cope with oil development? <i>Heathcote AL, Koper N</i>	*The traits that predict forest bird responses to urbanization intensity <i>Paton GD, Shaffner AV, Wilson AM, Gagne SA</i>	Fussing over food: factors affecting the vocalizations American Crows utter around food <i>Pendergraft LT, Marzluff JM</i>	Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays <i>Diamond J, Bowman R, Fitzpatrick JW, Chen N</i>	The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region <i>Stralberg D, Solymos P, Barker NK, Bayne E, Schmiegelow FK, Song S</i>	
11:30	*Hruska JP et al. Adelidae Phylogenomics Correll MD et al. Coastal plant mapping for a marsh passerine Andersen MJ et al. UCEs resolve honeyeater relationships	Effects of winter food supply on nocturnal hypothermia <i>Nilsson J, Nilsson JA, Watson H</i>	A city of Oropendolas: A characterization of <i>Psarocolius decumanus</i> nesting colonies in an urban landscape <i>Machado-Stredel F, Fernandes AM, Riera F, Pérez-Eman JL</i>	*Does noise affect male house wren detection and response to a territorial intruder? <i>Grabarczyk EE, Gill SA</i>	Genomic and ecomorphological divergence across an avian hybrid zone <i>Vinciguerra NT, Tsai WL, Faircloth BC, McCormack JE</i>	Methods to correct for species labeling errors in citizen science data <i>Hutchinson RA, He L, Emerson SC</i>	Incubation temperature alters sex ratios of avian offspring <i>DuRant SE, Hopkins WA</i>
11:45		Degree of immune challenge differentially affects oxidative stress and metabolism <i>Butler MW, Armour EM</i>	*Nocturnal lights affect bird-building collisions <i>Riding CS, O'Connell TJ, Loss SR</i>	Neotropical Wrens Learn New Duet Rules as Adults <i>Rivera-Caceres KD, Quirós-Guerrero E, Araya-Salas M, Templeton CN, Searcy WA</i>	Population differentiation of two tidal marsh sparrows and the implications for generalist-specialist cycling <i>Olsen BJ, Walsh J, Conway M, Ruskin KJ, Kovach AJ</i>	Big Data beget bigger models: adventures in analyzing the output of species distribution models from eBird data <i>Hochachka WM, Fink D, Auer T, Johnston A, Kelling S</i>	Temperature & life history: effect of temperature manipulation during incubation on immunity and thermoregulatory performance <i>Ardia DR</i>

LUNCH BREAK

Friday, Early Afternoon Session

* indicates student presenters eligible for AOS presentation award

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

COFFEE BREAK

Friday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	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
15:30	The changing foraging behavior of the Galapagos Islands seabird community <i>Zarn AM, Enslie SD, Valle C</i>	*Carotenoid metabolism strengthens the link between feather coloration and individual quality <i>Weaver RJ, Santos ES, Tucker AM, Wilson AE, Hill GE</i>	*Within-scale and cross-scale interactions of temperature and socioeconomic factors affect Neotropical migrant persistence <i>Chaudhary A, Gutzwiller KJ</i>	*Migration strategies and nonbreeding movements of a threatened population of Black-crowned Night-Herons <i>Stein KA, Kearns LJ, Tonra CM</i>	Mexican spotted owls and the Mescalero Apache <i>Hoagland SJ</i>	High resolution bird distributions from citizen science data <i>Steen VA, Tingley MW, Elphick CS</i>	Elevational range shifts in tropical avian communities <i>Pimm S, Forero-Medina G</i>
15:45	Lifetime use of individual tree cavities in temperate and subtropical forest ecosystems in the Americas <i>Trzcinski MK, Cockle KL, Edgeworthy AB, Wiebe KL, Martin K</i>	*Does signal diversity matter? Testing the significance of bird song repertoire size <i>Pitt SG, Benedict L</i>	Characterizing the niches of North American birds within contemporary culture <i>Schuetz JG, Johnston A</i>	Population genetics and migratory connectivity of the Prothonotary Warbler <i>DeSaix MG, Miles LS, Viverrite CB, Dyer RJ, Bulluck LP</i>	BirdReturns: delivering dynamic cost-effective habitat for migratory birds in agricultural landscapes <i>Kelsey TR, Goleat GH, Reynolds MD</i>	Integrating remote sensing and citizen science to study the colonization of urban environments by a returning avian predator <i>McCabe JD, Zuckenberg B, Yin H, Cruz J, Radeloff V, Pidgeon A</i>	The roles of interspecific aggression and thermal physiology in limiting elevational ranges of tropical birds <i>Boyce AJ, Wolf BO, Martin TE</i>
16:00	Dietary overlap and differences among coexisting, food-limited birds in relation to available prey and foraging behavior <i>Kent CM, Sherry TW</i>	The Left Testis Differs from the Right Testis in Composition and Function Within Male Waterfowl and Game Birds (Galloanserae) <i>Delehanty DJ, O'Hearn PP</i>	Discrepancy in the amount of wintering versus breeding grassland bird publications: Using text analysis to quantify seasonal bias in life-cycle studies <i>Muller JA, Ross JD</i>	*Discovery of fall migration of Northern Saw-whet Owls (Aegolius acadicus) in Missouri, Arkansas, and Oklahoma (USA) <i>Pruitt ML, Smith KG, Ripper D, Revels M, Ramirez A, Tossing L</i>	The Bobolink Project: Helping Farmers Protect Grassland Birds <i>Atwood JL, LaBarr M, Strong A, Swallow S, Chakrabarti A, Hunt P</i>	Combining citizen science with targeted monitoring for Gulf of Mexico tidal marsh birds <i>Adams EM, Woodrey MS, Rush SA, Cooper RJ</i>	Temperature and competition interact to structure Himalayan bird communities <i>Tingley MW, Srinivasan U, Elsen PR, Wilcove DS</i>
16:15	California chaparral bird community responses to prescribed fire and shrub removal in three management seasons <i>Newman EA, Potts JB, Tingley MW, Vaughn C, Stephens SL</i>	Sampling constraints affect mate choice in birds <i>Wilson DR, Fraser B</i>	Avian responses to indigenous community forest management in western Amazonia <i>Arcilla N, Sutton M, Tsamajain-Shiwig O, Cooper RJ</i>	*Effect of resource mismatch on stopover mass gain dynamics for two Arctic-breeding shorebirds <i>Tucker AM, DeRose-Wilson A, Catalano M, Zimmerman J, McGowan C</i>	Ecosystem services provided by American kestrels in fruit crops: farmer, consumer, and economic perspectives <i>Lindell CA, Shwiff S, Shave M, McClure C, Howard P, Elser J</i>	Informing isotopic assignment of secretive marsh birds migratory connectivity with directed and opportunistic citizen science data <i>Fournier AM, Sullivan AR, Perkins M, Shieldcastle MC, King SL, Drake KL</i>	Long-term demographic responses of forest understory bird species to habitat loss, fragmentation, and climate change in Tanzania <i>Newmark WD, Korfantia NM, Kauffman MJ, Stanley TR, Halley JM, Jenkins CN</i>
16:30	*Influence of Spawning Capelin on Marine Predator Diet and Food Web Structure in Coastal Newfoundland <i>Jenkins EJ, Davoren G</i>	Parallel Evolution of Ordered Feather Barb Biophotonic Nanostructures <i>Saranathan V, Prum RO</i>	Loggerhead Shrike Predation on Dunes Sagebrush Lizards in Southeastern New Mexico <i>Hathcock CD, Hill MT</i>	Evidence for a relationship between the movements of boreal-breeding and temperate-breeding fringillids <i>Dougherty PJ, Wilson WH</i>	DISCUSSION	Beyond bird counts: volunteer monitoring of shorebird productivity along the US west coast <i>Meehan TD, Harvey AL, Michel NL, Langham GM, Weinstein A</i>	Elevational changes in the avian community of a Mesoamerican cloud-forest park <i>Neate-Clegg MH, Jones SE, Burdakin O, Jocque M, Sekercioglu CH</i>
16:45	New Zealand Changing Islands: 35 years of Landbird Populations Affected by Introductions, Succession, Predator Control, and Weather <i>Ralph CJ, Ralph CP, Long LL</i>	Ornamental chick coloration in American coots: selection within or between broods? <i>Lyon BE, Shizuka D</i>	Thank! Understanding Bird-window Collisions on the Utah State University Campus <i>Sullivan KA, Sullivan KA, Sagers R, Hopkins D</i>	Where do winter crows go? Characterizing partial migration with satellite telemetry, stable isotopes, and molecular markers <i>Townsend AK, Fret B, McGarvey A, Taff CC</i>	DISCUSSION	DISCUSSION	DISCUSSION

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 pastureslands, and use of conspecific stimuli to increase Loggerhead Shrike detection <i>Graham LD, Lituma CM</i>	Seasonal Resource Partitioning between Northern Spotted Owls and Barred Owls in the Oregon Coast Range <i>Jenkins JM, Kane JT, Kane VR, Lesmeister DB, Verschuyl J, Wiens J</i>	Influence of avian life history strategies on building collision risk at a continental scale <i>Elmore JA, Hager SB, Cosentino BJ, Loss SR</i>	Woodpecker plumage evolution: convergence, mimicry, or neither? <i>Miller ET, Leighton GM, Lees AC, Freeman BG, Ligon RA</i>	Monogamous shorebirds breed earlier and match with food peak better than sympatrically breeding polygamous shorebirds <i>Kwon E, Weiser EL, Lanco RB, Brown SC, Gates R, Gilchrist H</i>	Binational Collaboration for Desert Bird Conservation in the southwestern U.S. and northern Mexico <i>Duberstein JN, Hejl S, Macías-Duarte A, McCreedy C</i>	Range-wide migration patterns in Vermivora warblers <i>Kramer GR, Andersen DE, Buehler DA, Wood PB, Peterson SM, Lehman JA</i>
10:45	Using point counts to estimate population growth and site quality: a comparison with intensive demographic monitoring <i>Valeme JJ, Ryder TB, Rushing CS, Betts MG, Fischer RA, Sillett TS</i>	Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests <i>Stillman AN, Siegel RB, Wilkerson RL, Johnson JM, Tingley MW</i>	Surviving in the city: higher apparent survival for urban birds but worse condition on noisy territories <i>Phillips JN, Gentry K, Derryberry E, Luther D</i>	Does variation in nestling wing development and body condition drive post-fledging survival within and among songbird species? <i>Jones TM, Ward MP, Benson TJ, Brawn JD</i>	Higher spring temperatures increase food scarcity and limit the distribution of crossbills <i>Benknan CW, Mezquida ET, Svenning J, Summers RW</i>	Urban characteristics related to urban bird community in the desertic city of Hermosillo, Sonora, Mexico <i>Castillo-Gómez RA, Johnston-López K, Macías-Duarte A</i>	Automated telemetry reveals staging behavior in a declining migratory passerine <i>Wright JR, Powell LL, Tonra CM</i>
11:00	Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (<i>Strix occidentalis lucida</i>) <i>Lanier WE, Blakesley JA</i>	Hurricane Sandy and Engineered Human Response Created Habitat for a Threatened Species <i>Walker KM, Fraser JD, Catlin DH, Ritter SJ, Robinson SG, Bellman HA</i>	The role of resident bird species as carriers of ticks in urban areas <i>Roselli MA, Noden BH, Loss SR</i>	Moving to the mainland: expanding assessment of the impacts of diversity and biogeographic history on assemblage vulnerability <i>Weeks BC, Gregory N, Naeem S</i>	Climate change and management implications for a declining Neotropical migratory songbird breeding in the Great Plains <i>Glass AJ, Arcilla N, Caven AJ, Kim DH, Sutton M, King KC</i>	Region-wide Desert Thrasher Surveys: An Example of a Collaborative Conservation Effort <i>Fletcher DM, Harter LB, Ammon E</i>	Insights into the Black Box of Long-Distance Migration Revealed by Emerging Tracking Technology <i>Hallworth MT, Cooper NW, Cohen EB, Sillett TS, Ryder TB, Marra PP</i>
11:15	The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls <i>Yackulic CB</i>	Resilience and resistance of songbird communities to wildfire in the northern boreal forest <i>Knaegs M, Hache SA, Nielsen SE, Bayne EM, Pankratz RF, Stralberg D</i>	Urban and Endangered: the complex realities of Red-crowned Parrots in Texas <i>Brightsmith DJ, Kiacz S, Boyd JD</i>	Spatiotemporal variation in hatching success and nestling sex ratio in a rapidly moving chickadee hybrid zone <i>Curry RL, Driver RJ, Ferretti V, Burton E</i>	Trophic implications of a phenological paradigm shift: the case of bald eagles in a changing climate <i>Rubenstein MA, Christophersen R, Ransom JJ</i>	Natal dispersal of Aplomado Falcons under drastic habitat loss in the Chihuahuan Desert of Mexico <i>Macías-Duarte A, Alvarado-Castro JA, Gutierrez-Ruacho OG, Ortega-Rosas CI, Rodriguez-Salazar JR</i>	From Alaska to the Amazon: migratory behavior of blackpoll warblers (<i>Setophaga striata</i>) across their breeding range <i>DeLuca WV, Woodworth BK, MacKenzie SA, Cooke HA, Newman A, Norris DR</i>
11:30	The recent expansion of Fox Sparrow breeding range into the northeastern United States <i>Lloyd JD</i>	Does the Working Coast work for wildlife? Effects of saltmarsh restoration on avian communities in the Gulf of Mexico <i>Byerly PA, Waddle HL, Leberg PL</i>	Two Negatives Equal a Positive: How SoCal's Wild Parrots (Non-invasive, Non-native) Are Helping Conserve Mexican Species <i>Durham B</i>	Migratory shorebird adheres to Bergmann's Rule throughout the annual lifecycle through shifts in individual body mass <i>Gibson D, Hornsby AD, Cohen JB, Fraser JD, Hunt KL, Catlin DH</i>	Long-term patterns in breeding phenology and productivity of Flammulated Owls in a changing climate <i>Linkhart BD</i>	Worthen's Sparrow (<i>Spizella wortheni</i>) current status in natural and anthropogenic-disturbed areas in Mexico <i>Rivalcaba-Ortega I, Canales-del-Castillo R, González-Rojas II, Guzmán-Velasco A</i>	
11:45		Infestation by the exotic fruit fly, <i>Drosophila suzukii</i> , reduces local abundance of frugivorous birds in an Appalachian forest <i>Stoleson SH, Lituma CM</i>				Interactive effects of climate, landcover change, and habitat quality on Ferruginous Pygmy-Owl populations in the U.S and Mexico <i>Flesch AD</i>	

LUNCH BREAK

Saturday, Early Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	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
13:30	Taming the temperature: Do birds select nest sites that modulate microclimatic variation? <i>Scherr TM, Chalfoun AD</i>	Does use of exotic shrubs influence nesting success of Veeries in northeastern Pennsylvania? <i>Goguen CB, Murray LD</i>	Ground-dwelling songbirds as competent carriers and reservoirs of vector-borne disease (Lyme disease) <i>Hill AJ, Lituma CM, Wilson ME, Meade BJ, Hendricks BM, DeGroote LW</i>	Fifty Shades of Brown: evolution of plumage brightness in a large clade of Neotropical passerines <i>Marcondes RS, Brunfield RT</i>	Seeking the Knowledge-Action Boundary: Decision Analysis for Collaborative Conservation <i>Lyons JE</i>	Effects of anthropogenic activities on haemosporidian infection in birds of the highland plateau of central Mexico <i>Chapa-Vargas L, Ruiz-García GM, Ham-Dueñas G, Canales-Delgadillo JC, Tinajero RJ</i>	Bridging the gap between science and avian conservation: Lessons learned on Integrating research into management actions <i>van Riper III C, Nichols JD, van Riper CJ, Stewart WP</i>
13:45	Scarlet Macaw breeding ecology and behavior in Tambopata Peru <i>Vigo Trauco G, Brightsmith DJ</i>	Conservation Planning Under Uncertainty: An Interactive Decision Support Tool for Least Bell's Vireo Management <i>Stanton JC, Hall L, Alvarado A, Kus B, Marek J, Morrisette E</i>	Effects of supplemental feeding on gut microbiota and parasite resistance in Eastern Bluebirds <i>Knutie SA</i>	Subfossil evidence for a recent hybrid origin of the endangered, endemic Hawaiian koloa maoli (Anas wyvilliana) <i>Wells CP, Lavretsky P, Spitzer M, Dattoria M, James H</i>		Status of the Western Yellow-billed Cuckoos in Sonora, Mexico <i>Sánchez-Murrieta E, Macías-Duarte A, Juárez E</i>	Maintaining critical habitat for birds at the Salton Sea <i>Jones AL, Krieger K, Salas L, Shuford WD, Cooper DS</i>
14:00	Cold and safe versus warm and risky: nesting decisions in an alpine songbird <i>de Zwaan DR, Martin K</i>	Evaluating extinction probabilities and recovery strategies for Maui Parrot Bill <i>McGowan CP, Mounce HL, Warren C, Paxton E, Groombridge J</i>	Variation in malarial prevalence and diversity in thrush congeners along a latitudinal gradient of the Appalachian Highlands <i>Starkloff NC, Jones AW, Winger BM, Turner WC, Kirchman JK</i>	Trends in carotenoid-consistent coloration across non-passerine birds <i>Davis SN, Clarke JA</i>	Challenges to Coordinated Monitoring in the Face of Gulf of Mexico Restoration <i>Wilson RR, Tirpak J, Steyer G</i>	Drought-caused delay in nesting and its facilitation of parasite- and predator-mediated variation in reproductive success <i>McCreedy CL, van Riper III C</i>	Building an ecological atlas: from spatial data to conservation across dynamic Arctic seas <i>Smith MA, Goldman MS, Knight EJ, Sullender BK</i>
14:15	Pinyon Jay (Gymnorhinus cyanocephalus) Movements, Habitat Use, and Satellite Colonies in the Manzanita Mountains, New Mexico <i>Novak MC, Smith LM, McMurry ST, Harris JP</i>	Survival, site persistence, and movement dynamics of a non-territorial Neotropical migrant during the nonbreeding period <i>Ames EM, Tonra C, Bulluck L</i>	Patterns of Borrelia burgdorferi prevalence in Northern Illinois birds <i>Marshall JS, Hanson C, Beckmann SM</i>	Evolutionary conflict <i>Queller DC, Strassmann JE</i>	Guiding Coordinated Bird Monitoring Decisions Through Structured Decision Making <i>Fournier AM, Lyons J, Adams E, Brush J, Cooper R, DeMaso S</i>	The response of birds to habitat restoration and environmental flows in the Colorado River Delta, Mexico <i>Hinojosa-Huerta O</i>	Developing actionable science for multiple-use lands: from landscapes to sage-grouse in the Bureau of Land Management <i>Carter SK, Halby T, Miller KH, Carr NB, Bowen ZH</i>
14:30	Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range <i>Ruskin KI, Hodgman TP, Borowske AC, Cohen JB, Elphick CS, Field CR</i>	Response of a native Hawaiian bird to the removal of an invasive predator in a mesic, montane forest <i>Banko PC, Jaenecke KA, Peck RW</i>	A novel virus associated with beak deformities in wild birds <i>Van Hemert C, Zylberberg M, Handel CM, Pajon LM, DeRisi JL</i>	The skull and brain in birds and their relatives reveal a deep evolutionary and developmental relationship <i>Hanson MD, Fabbri M, Mongiardino Koch N, Pritchard AC, Norell MA, Bhullar BS</i>		Physiologically-structured species range models identify traits underlying susceptibility of desert birds to climate change <i>Wolf BO, Riddell E</i>	Community-based bird monitoring in biodiversity hotspots: integrating conservation, research, education, capacity building, and incomes <i>Sekercioglu CH</i>
14:45	White-headed Woodpecker (Picoides albolarvatus) habitat selection and nest survival: a multi-scale analysis <i>Purcell KL, McGregor E, Baldwin J</i>	Habitat specific abundance and occupancy dynamics of a non-territorial overwintering songbird in Panama and Colombia <i>Bulluck LP, Bayly N, Ames E, Vivrette C, Tonra C</i>	Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone <i>Lucas GV, Walsh J, MacManes M, Kovach A</i>	Gulf of Mexico Marine Assessment Program for Protected Species (GoMMAPS): a Nexus to Regulatory Decision-Making <i>Gleason JS, Wilson RR, Jodice PG, Lyons JE, Zipkin EF, Silverman ED</i>	Winter home range characteristics and habitat use by Sprague's Pipit in the Chihuahuan Desert grasslands of Mexico <i>Strasser EH, Ruvalcaba-Ortega I, Peña-Peniche A, Panjabi AO, Martínez-Guerrero J, Canales-del-Castillo R</i>	Putting the Right Habitat, in the Right Places, at the Right Time: The Integrated Waterbird Management and Monitoring Initiative <i>Heglund PJ, Loges B, Newman J</i>	

COFFEE BREAK

Saturday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
Session	Behavior	Conservation	Citizen Science & Science Communication	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
15:30	When Goshawks Attack!: A Comparison of Nest Defense Behaviors in Oulu, Finland and the Little Belts, Montana <i>Wright ME, Tornberg R, Bickford NA</i>	Gray-cheeked Thrush decline in Newfoundland: associations with habitat, forestry practices, and the introduction of red squirrels <i>McDermott JP, Whitaker DM, Warkentin IG</i>	Conservation of Sick's Swifts (Chaetura meridionalis) in Southern Brazil: a successful citizen science initiative <i>Biancalana RN</i>	Threatened birds, dynamic habitats and disturbance processes: conservation ecology in one of the worlds most understudied savanna ecosystems <i>Kingsbury J, Davies GM, Tonra C, Macleod R</i>	Application of monitoring Best Management Practices to marsh restoration priorities to reduce uncertainty of marsh birds response <i>Woodrey MS, Cooper RJ, Evans KO, Iglay RB, Rush SA, Fournier AM</i>	The Salton Sea: California's Most Imperiled Wetland? <i>Cooper DS, Jones A</i>	Modeling transitory habitat in a dynamic agricultural landscape for the Streaked Horned Lark <i>Hamilton CM, Bateman BL</i>
15:45	Manipulating badges of status only fools strangers <i>Block TA, Chaine AS, Shizuka D, Block TA, Zhang L, Lyon BE</i>	Evaluation of Southwestern Willow Flycatcher Breeding Records Along Southern Range Boundary <i>Johnson GE, van Riper III C</i>	A community-based approach to conserving the island-endemic Calayan Rail <i>Layusa CA, Reynon JB, Guimayen AG, Oliveros CH</i>	Disturbance along a watershed in Belize maintains high species diversity in the bird community <i>Rotenberg JA, Marlin JA, Pop L, Garcia W</i>	Understanding habitat use and management efforts to conserve migratory landbirds along the northern Gulf of Mexico coast <i>Zenzal TJ, Buler JJ, Moore FR, Barrow WC, Wilson BC</i>	DISCUSSION	Optimizing conservation of Hawaian forest birds into an uncertain future <i>Paxton EH</i>
16:00	Autumn social familiarity preferences predict reproductive output in Brown-headed Cowbirds (Molothrus ater) <i>Kohn GM</i>	Relationship of conservation practices to priority grassland bird occupancy in the Central Hardwoods Bird Conservation Region <i>Lituma CM, Joos CJ, Buehler DA</i>	Call of the Wild: Using Natural Sounds Recordings to Give Voice to Avian Conservation <i>Job JR</i>	Dealing with drought in the rainforest <i>Nishikawa ET, Brawn JD</i>	Using monitoring to reduce uncertainty in identifying key ecological drivers of populations - examples from the Everglades <i>Frederick PC</i>	DISCUSSION	Turning Western Yellow-billed Cuckoo (Coccyzus americanus) Surveys Into Conservation Action <i>Prager SS, Supplee V, MacFarland J</i>
16:15	Using GPS Marks to Estimate Daily Rates of Lek Attendance and Lek Switching in Male Greater Sage-Grouse <i>Wann GT, Coates PS, Prochazka BG, Ricca MA</i>	Does diet composition or habitat biogeochemistry drive mercury concentration in a threatened wetland bird? <i>Hall LA, Woo I, De La Cruz SE, Marvin-DiPasquale M, Krabbenhoft DP</i>			Using a structured decision making framework to support large-scale inference <i>Adams EM, Fournier AM, Lyons JE, Woodrey, MS</i>	DISCUSSION	DISCUSSION
16:30					DISCUSSION	DISCUSSION	DISCUSSION
16:45					DISCUSSION	DISCUSSION	DISCUSSION