

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	*Exploratory behavior in wild chickadees; contrasting two field methods <i>Polekoff SE, Bennett BL, Curry RL</i>	Movements and demography of the Brown-capped Rosy-Finch <i>George TL, Zavaleta E, VanBastirk 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, Blarac CA, Hirons 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		*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, Uyehara 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, Gavilik 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, Doak DF</i>	Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers <i>Hunt KL, Gibson D, Catlin DH, Friedrich MJ, Huber CJ, Fraser JD</i>	*Breeding bird use of restored shallow lakes in Iowa <i>Vanausdall RA, Dinsmore SJ</i>	DNA metabarcoding reveals dietary shifts in response to acidification in a stream-dependent Neotropical migrant <i>Trevelline BK, Nattie T, Porter BA, Brouwer NL, Hoening 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>Arnáiz-Villena A, Ruiz-deValle 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	Social and Ecological Influences on Repertoire Size Across Birds <i>Leighton GM</i>	How does EPA assess risks of chemicals to birds? <i>Enterson 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, Flescher RC</i>	*Winter diet composition of Montezuma quail in southern Arizona <i>Lopez Bijanda OE, Macias Duarte A, Castillo Gamez RA, Montoya AB</i>	Testing the ancient Amazonian origins of a group of open-habitat subsocial birds (Pachyrhamphus) <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 HJ, 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 genomics 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

*indicates student presenters eligible for AOS presentation award

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, Compagna L, Harrison RG, Lovette IJ</i>	Anthropogenic habitat disturbances and hybridization <i>Grabenstein KC</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 assortivity 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 SV</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

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 Calcedo A</i>	Loss of Cultural Diversity in Hawaiian Honeycreepers Over the Last 40 Years <i>Paxton KL, Sebastián-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>Bartlow 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, Sirozier 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>Callin 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, Deppe J, Zenzal TJ, Diehl R, Celis-Murillo A</i>	Rhythms of the Doves <i>Wheelwright 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, Shieldcastle MC, Streby HM</i>	Low amplitude vocal signaling by rock wrens <i>Benedict L, Najar 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 subsocial birds (Aves; Tyranni) <i>Harvey MG, Bravo G, Claramunt S, Derryberry G, Derryberry EP, Braunfeld RT</i>
11:30	*Home range and habitat use of Baird's and Grasshopper sparrows in the Marfa grasslands, Texas <i>Perez-Ordóñez DA, Titulaer M, Baeza-Tarin F, Strasser EH, Martin R, Harveson 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 SI, 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, Schwertner 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, Vothhof 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>

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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, Conservation & Molt-migration
15:30	Brood size differentially affects the nestling stress response in syntatric swallows, but does not impact growth or survival <i>Hardt BM, Adria DR, Bachaw 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, Riser-Espinosa D</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, Rodrigues L, Frey RJ, Ralph CJ, 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, Fuzsager 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, Langham G</i>	Evidence for a prealternate molt-migration in Rufous Hummingbirds <i>Sieburth DE, Pyle P</i>
16:00	*Avian spring migration as a dispersal mechanism for a forest insect invasion <i>Russo NJ, Chech 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>Berg KS, Arellano CM, Heneman 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 Gunnison Sage-grouse Populations <i>Zimmerman SJ, Aldridge CL, Oyster-McConce 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, Sellars MR, Olson ER, Doolittle TC, Heeringa B</i>	Southwestern Willow Flycatcher (<i>Empidonax traillii extimus</i>) wintering ecology in Nicaragua <i>Whitfield MJ, Ruegg K, Ottersrom SM</i>	*Winter mates impact summer dates: Linking non-breeding social environment and reproductive success in an Australian songbird <i>Welkin 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 SV, 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>	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	The effects of life history and external drivers on the molts of migratory birds <i>Terrill RS, Maley JM, Tsai WL, Wolfe JD, Secholzer GF, McCormack J</i>
16:45	Student poster presenter introductions and closing remarks	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>	Creepster Genomics <i>Manthey JD</i>	Renewable Energy and Birds <i>George G</i>	DISCUSSION	DISCUSSION

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LUNCH BREAK

Friday, Early Afternoon Session

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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, Roitenberg 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, Simmons KT, Etchholz M, McTaggart S</i>	Selection of nest-site aspect and vegetation structure results in cooler microclimates for Gray Vireo (<i>Vireo vicinior</i>) 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	Problematic Pachycephalidae: a new phylogenetic hypothesis using ultraconserved elements <i>Brady SS, Joesch 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 (<i>Toxostoma bendirei</i>) 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	*Comparing Demography of Sympatric Scaled and Gambel's Quail Populations in Response to Weather in the Chihuahuan Desert <i>Leipold EA, Carleton SA, Gould WR</i>	The role of plumage color evolution in speciation in the tanagers (Aves: Thraupidae) <i>Price-Waldman RM, Shultz AJ, Burns KJ</i>	*Tracking grassland fledglings: using radio-telemetry to study post-fledging survival of a threatened grassland songbird <i>Carey HC, Koper N</i>	Audubon's Conservation Ranching Program <i>Holloran AG</i>	Soundscapes 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	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 II</i>	*Isolation and gene flow affect the diversification of a South Pacific bird: the Fouliehaio honeyeater complex <i>Mapel XM, Cibois A, Modak TH, Moyle RG, Nalkatani A, Seamon JO</i>	Rapid phenotypic & trophic change in Horned Lark (<i>Eremophila alpestris</i>) after conversion of the Colorado desert to agriculture <i>Mason NA, Unitt P, Sparks JP</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</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	Estimating Population Trends with Dynamic N-mixture Models: When do Repeated Visits Count? <i>Monroe AP, Warr GT, Aldridge CL, Coates PS, Ricca MA</i>	Origin and evolution of the extinct San Benedicto Island Rock Wren (<i>Salpinctes obsoletus exsul</i>) revealed by phylogeographic analysis of genome-wide variation <i>Spellman GM, Nahar N, McCullough J, Benedict L, Andersen M</i>	Population Responses of the Northern Bobwhite to Land Use Changes in the Agricultural Landscapes of Ohio, USA <i>Smith OM</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

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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, Ensle 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 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, Foreiro-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>Schuett JG, Johnston A</i>	Population genetics and migratory connectivity of the Prothonotary Warbler <i>DeSaix MG, Miles LS, Viverette CB, Dyer RJ, Bulluck LP</i>	BirdReturns: delivering dynamic cost-effective habitat for migratory birds in agricultural landscapes <i>Kelsey TR, Golet 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, Zuckerberg B, Yin H, Cruz J, Radloff 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 (<i>Aegolius acadicus</i>) 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>Anwood 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, Korfanta 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>	Reconciliation Ecology and Bird Conservation <i>Rosenzweig ML</i>	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 Mesamerican cloud-forest park <i>Neate-Clegg MH, Jones SE, Burdick 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>	Think! 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, Frett B, McGarvey A, Taff CC</i>	DISCUSSION	DISCUSSION	DISCUSSION

*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	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, Verschyl J, Wiens J</i>	Influence of avian life history strategies on building collision risk at a continental scale <i>Elmore JA, Hager SB, Cosentino BA, 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, Lantot 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, Macias-Duarte A, McCreedy C</i>	Range-wide migration patterns in Vermivora warblers <i>Kramer GR, Andersen DE, Biehler DA, Wood PB, Peterson SM, Lehman JA</i>
10:45	The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy <i>Peterson SM, Beissinger SR</i>	Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests <i>Sillman 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, Brown JD</i>	Higher spring temperatures increase food scarcity and limit the distribution of crossbills <i>Benkman 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	Using point counts to estimate population growth and site quality: a comparison with intensive demographic monitoring <i>Valente JJ, Ryder TB, Rushing CS, Berts MG, Fischer RA, Sillett TS</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	Broad-scale occupancy monitoring of the threatened Mexican Spotted Owl (Strix occidentalis lucida) <i>Lanier WE, Blakesley JA</i>	Resilience and resistance of songbird communities to wildfire in the northern boreal forest <i>Knaggs 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 JI</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, Rodríguez-Salazar JR</i>	From Alaska to the Amazon: migratory behavior of blackpoll warblers (Setophaga striata) across their breeding range <i>DeLuca WY, Woodworth BK, MacKenzie SA, Newman A, Sutton A, Freeman N</i>
11:30	The past, and future, roles of competition and habitat in the range-wide dynamics of Northern Spotted Owls <i>Yackulic CB</i>	Does the Working Coast work for wildlife? Effects of saltmarsh restoration on avian communities in the Gulf of Mexico <i>Byerly PA, Waddle HI, 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 Flamulated Owls in a changing climate <i>Linkhart BD</i>	Worthen's Sparrow (Spizella wortheni) current status in natural and anthropogenic-disturbed areas in Mexico <i>Ruvalcaba-Ortega I, Canales-del-Castillo R, González-Rojas JI, Guzmán-Velasco A</i>	
11:45	The recent expansion of Fox Sparrow breeding range into the northeastern United States <i>Lloyd JD</i>	Infestation by the exotic fruit fly, Drosophila suzukii, 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>	

*indicates student presenters eligible for AOS presentation award

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, Tomberg 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 RL, Evans KO, Igley 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>Loyusa 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>		Optimizing conservation of Hawaiian 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>	State of the world's raptors: threats, distributions, and actions <i>McClure CJ, Johnson JA, Westrip J, Schulwitz SE, Virani MZ, Thorstrom R</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, Bravn 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	Stable social relationships between unrelated females increase individual fitness in a cooperative bird <i>Riehl CP, Strong MJ</i>	A N15 isotope tracer experimentally demonstrates that nonnative plants limit energy flow to higher order consumers like birds <i>Naranjo DL, Carlo TA, Tallamy DW, Marra PP</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	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>	Relationship of conservation practices to priority grassland bird occupancy in the Central Hardwoods Bird Conservation Region <i>Lituma CM, Joos CJ, Buehler DA</i>			DISCUSSION	DISCUSSION	DISCUSSION
16:45		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>			DISCUSSION	DISCUSSION	DISCUSSION