

Wednesday Poster Session 7:00–9:00 PM Turquoise Ballroom

* indicates student presenters eligible for AOS presentation award

1.1 Jiménez RA, To TT, Hanna ZR, Droual M, Bowie RC

DNA markers and discovery of a contact zone support lumping White-naped (*Atlapetes albinucha*) and Yellow-throated (*A. gutturalis*) Brush-Finches

1.2 McLaughlin JF, Miller MJ

A comparative genomic study of introgression in secondary contact in lowland Panamanian birds

1.4 Funk ER, Spellman GM, Winker K, Zavaleta ES, Ruegg KC, Taylor SA

Genomic characterization of the rosy-finch (*Leucosticte* spp.) species complex

1.5 Pruett CL, Li T, Winker K

Population genetics of Alaska Common Raven

1.6 *Castro MA, Nelson RL, Constable J, Van Laar T

Characterizing the Microbiota of the Avian Nest

1.7 Brumfield RT, Faircloth BC, Smith BT, Kimball RT, Braun EL, Barker FK

OpenWings: Collaborative construction of a fossil-calibrated species-level bird phylogeny

1.8 Shahrokhi G, Patten MA

Evolution and Taxonomy study of Herons in East Africa

1.9 Holmes JM, Moyle RG

Preliminary molecular phylogeny of the swifts (Aves: Apodidae)

1.10 Tsai WL, Bonaccorso E, Schwab EM, Scott B, Maley JM, McCormack JE

A complete evolutionary history of New World Jays

1.11 Unitt P, Hargrove L, Ruiz-Campos G, Galindo D, Squires L, Clark K

Distribution and Ecology of the Birds of the Sierra Cacachilas, Baja California Sur

1.12 *Moreno-Contreras I, Navarro-Siguenza AG, Sánchez-González LA, Arizmendi M

Ecological niches and environmental overlap of the Arremon brunneinucha (Aves: Passerellidae) complex in Mesoamerica

1.13 *Castillo VJ, Navarro AG, Sánchez-González LA

Patrones de variación geográfica en algunas especies de aves asociadas al bosque seco tropical caducifolio del Pacífico de Mesoamérica

1.14 Collins MD, Stevens OA, McCormack JE, Maley JM

Exploring a Potential Hybrid Zone of Blue-Capped Motmots and Lesson's Motmots

1.16 Arnaiz-Villena A, Ruiz-del-Valle V, Palacio-Gruber J, Campos C, Muñiz E

Phylogeography of Estrildinae Finches from Africa, South Asia and Australia: African and Australian Convergent Evolution Species

1.18 Henderson KM, Kremer P, Garrod H, Curry RL

Niche modeling of todies (*Todus* spp.) in the Greater Antilles

1.19 Webb EA, Hutton P, McGraw KJ

Effects of artificial light at night on carotenoid distribution patterns in king quail

1.20 Khalil S, Welklin JF, McGraw KJ, Webster MS, Karubian J

Circulating carotenoid concentrations differ among sexes and phenotypes in the red-backed fairywren

1.21 *Sirman AE, Kucera AC, Heidinger BJ

Rain or shine, telomeres are fine: Variable weather influences incubation length, but not telomere length at hatch in house sparrows

1.22 Lopez K, Miller MJ

Disease Dynamics in Migratory and Resident birds of Eastern Oklahoma and Texas

1.23 Rice AA, Curry RL, Weckstein JD

Haemosporidian Diversity and Prevalence in a Chickadee Hybrid Zone

1.24 *Griebel IA, Dawson RD

The nestling who lived: predictors of survival during harsh weather events in an aerial insectivore

1.25 Bauernfeind SM, Barrow LN, Witt CC, Baumann MJ, Brady SS, Chavez AN

Comparison among sky-island haemosporidian communities reveals dynamics of parasite-species turnover and host-switching

1.26 Nelson RL, Eisen JA, Katti M, Van Laar TA

Characterizing the Microbiota and Resistome of American Crow (*Corvus brachyrhynchos*) Feces

1.27 *Rhea AM, Billerman SM, Weaver RJ, Eddy DK, Carling MD

Woodpeckers and parasites: Testing the relationship between immune function and carotenoid levels

1.28 Hansen AN, Hund AK, Taylor SA

A novel host: parasites, hybrid fitness, and species boundaries

1.29 Latas PJ

Pneumoconiosis in a hurricane-stranded Least Storm-petrel (*Hydrobates microsoma*)

1.30 Winkler CD, Harakal KM, Atkinson EC

Analysis of an Avian Disease Network in the Greater Yellowstone Ecosystem: Opportunities for Undergraduate Students

1.32 *Tobin EJ, Heintz EC, Duke-Sylvester SM

Avian Malaria and Vertebrate Host Population Dynamics in Southern Louisiana

1.33 Williamson JL, Bauernfeind SM, Gadek CR, Ricote-Martinez N, Bozinovic F, Witt CC

The paradoxical Giant Hummingbird: comparison of Andean and coastal subspecies with respect to blood, migration, and genes

1.34 Morrison ES, Badyaev AV

Structure versus time in the evolutionary diversification of avian carotenoid metabolic networks

1.35 *LeFevre GM, Price JJ, Eaton MD

Modes of Sexual Dichromatism in New World Blackbirds (Icteridae)

1.36 *Howard JT, Marcondes RS, Brumfield RT

Geographic variation and color polymorphism in *Attila spadiceus* (Tyrannidae)

1.37 Carryl SS, Santymire R, Gilbert JA

Investigating the relationship between avian microbiota and stress physiology along an urban-rural gradient

1.38 McDermott MT, Safran RJ

How does non-breeding environment affect sexual signaling? A comparative analysis of two subspecies of Barn Swallow

1.39 Johnson LS, Iser K, Molnar H, Nguyen A, Connor C

Clutch and egg size in a high-elevation population of Tree Swallows

1.40 Rodriguez MD, Bailey S, Huyvaert KP, Doherty PF

The effect of calcium on the life-span of breeding Tree Swallows

1.41 Rotenberry JT, Balasubramaniam P

Pathway to a Global Analysis of Geographical Variation in Avian Life History Patterns

1.42 Visty HE, Wilson S, Germain R, Krippel J, Arcese P,

Demography of sooty fox sparrows following a shift from a migratory to resident life history

1.43 Dill HS, Lehr NR, Delgado-Acevedo J, Ransom D

Modeling Nest Predation and Cowbird Parasitism Rates of Bell's Vireo in North East Texas

1.44 Lehr NR, Dill HS, Delgado-Acevedo J, Ransom D

Nesting Ecology of Bell's Vireo (*Vireo bellii bellii*) in north east Texas

1.45 Kraus HM, Jensen WE

Nest success and brood parasitism of birds in response to grazing of Conservation Reserve Program grasslands

1.46 *Sinnott EA, Thompson FR

Habitat-specific variation in bobwhite chick body condition on native prairies and traditionally managed Conservation Areas in Missouri

1.47 Boyce AJ, Greeney HE, van Riper III C

Variation in nest success and offspring development in a migratory songbird using natural and artificial nest-sites

1.48 DeRubeis AL, Smith KG

Make new fields but keep the old: Nesting success of Dickcissel in Arkansas remnant and restored tallgrass prairies

1.49 Bolaños-García R, Rodríguez-Estrella R

Breeding biology and ectoparasites of Great Horned Owls in desert fragmented landscape of Baja California peninsula

1.50 Farley-Dawson EA, Schmidt KA

Influence of behavior, landscape features, and spatial scale on Veery breeding site occupancy and preference in NY, USA

1.51 Bernath-Plaisted JS, Correll MD, Panjabi AO
From the Ground Up: Identifying Drivers of Nesting Success in Grassland Songbirds of the Northern Great Plains

1.52 Vigo Trauco G, Brightsmith DJ
Increasing survival of wild macaw chicks using foster parents

1.53 Storey AE, Fitzsimmons MG, Kouwenberg AL, Robertson GJ, Walsh CJ
Balancing personal maintenance with parental investment in a long-lived seabird, the common murre

1.54 Covino KM, Horton KG, Morris SR
Fifty years of Black-throated Blue Warbler migration in North America

1.55 *Eisaguirre JM, Booms TL, Barger CP, McIntyre CL, Lewis SB, Breed GA
Local meteorological conditions reroute a migration

1.56 Warkentin IG, Whitaker DM
Newfoundland Gray-cheeked Thrush migration and wintering - from oceanic island to habitat island

1.57 Cimprich PM, Grzybowski JA, Kelly JF
Post-breeding period movement and behavior of adult black-capped vireos (*Vireo atricapilla*)

1.58 Dunn PO, Whittingham LA
Effects of changing wind speed on the breeding success of an aerial insectivore

1.59 Shustack DP
Secondary Market for Bird Feathers: What Happens to Feathers After Birds Shed Them?

1.60 Buxton VL, Schoch N, Ozard J, Rosenblatt D, Evers DC, Glennon M
Conservation Through the Lives of Adirondack Loons: 20 Years of Collaborative Research and Outreach

1.61 Stanek JR
Continued Decline of the Yellow-billed Cuckoo in California

1.62 Schaffner FC, Cruz-Colón M, Luyando-Flusa S, Rosado-Ramos BA, Pérez-Cruz IJ, Flores-García LM
Abundance and Diversity of Land Birds in Puerto Rican Coastal Dry Forest in the Aftermath of Hurricane Mara

1.63 *Nijoka KM, Marshall LC
Effects of nocturnal luminance and weather on Eastern Screech-Owl vocal activity

1.64 Schaffner FC, Rodríguez-Colón I, Luyando-Flusa S, Cruz-Colón M, Rosado-Ramos B, Pérez-Cruz IJ
Recoveries of Archival Light-Level Geolocators from Northern Waterthrushes (*Parkesia noveboracensis*), in Puerto Rico Size Matters

1.65 Beauregard ND
Investigating Western Yellow-billed Cuckoo Breeding Status In The Mountains Of Southeastern Arizona; Implications For Recovery

1.66 Hendrickson BJ, Eichholz MW
Distribution, abundance, and habitat selection of breeding Mississippi Kites (*Ictinia mississippiensis*) in southern Illinois

1.67 *Horns JJ, Adler FR, Sekercioglu CH
Using opportunistic citizen science data to estimate avian population trends

1.68 Mackey HL, Wood EM, Pomara LY, Coffey JE
The effects of land-cover and invasive species on the bird community along the Rio Grande, Big Bend National Park, Texas

1.69 *Taylor RD, Wood EM
Monitoring the Response of the Bird Community to Restoration of the Owens River, California

1.70 Meeker AL, Marzluff JM
Influence of Recreation on the Occupancy, Abundance, and Breeding Performance of Alpine Tundra birds in Denali National Park

1.71 Hick KG, Hache SA, Sóllymos P, Pankratz RF, Bayne EM, Annich N
Harmful algal blooms, seabirds, and forage fish: assessment of algal toxins during a large-scale Common Murre die-off in Alaska

1.72 Hurd ML, Benson TJ, Ward MP
Aspects of municipalities associated with occupancy and abundance of Chimney Swifts in Illinois

1.73 Gilbert CJ, Blomberg EJ
Twenty-Five Years of Change in Spruce Grouse Occupancy at Their Southern Range Margin

1.74 *Hopkins DJ, Sullivan K, Williams B, Hadden N
What's on the menu? Using next-gen sequencing to examine diets of Ferruginous Hawks and Golden Eagles in the Uintah Basin, UT

1.75 Baeza-Tarin F, Titulaer M, Perez-Ordóñez DJ, Strasser EH, Martin R, Harveson LA
Habitat preferences of overwintering Baird's and Grasshopper sparrows in relation to seed availability in the soil seed bank

1.76 Schaefer RR, Rudolph DC
Southeastern American Kestrel nestling provisioning in the West Gulf Coastal Plain

1.77 Saranathan V, Goh AH
On the fruit color preferences of the Southern Casowary (*Casuarius casuarius*)

1.78 Beltrán W, Wunderle, Jr JM
Tree species preference for foraging by insectivorous birds in a woodland dominated by alien tree species in Puerto Rico

1.80 Van Hemert C, Schoen SK, Holland WC, Piatt JF, Arimitsu ML, Hardison R
Harmful algal blooms, seabirds, and forage fish: assessment of algal toxins during a large-scale Common Murre die-off in Alaska

1.81 Khan BN,
Avifauna abundance, population trends and threats at Mangla Wetland

Thursday Poster Session 7:30–9:30 PM Turquoise Ballroom

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2.1 *Novak EA, Stravers JW, Skrade PD
Song Variation of Cerulean Warblers in Northeast Iowa

2.2 *Smith-Vidaurre G, Wright T
Mapping patterns of vocal variation in the native range of an invasive parrot

2.3 *Hansen CA, Kohn G, Wright T
Social Affiliation and Call Sharing in Budgerigars (*Melopsittacus undulatus*)

2.5 Sblendorio JM, Janik AE, Britzke ER, Vonnhof MJ, Gill SA
Do Blue-winged and Golden-winged Warblers adjust their songs in response to military noise?

2.6 Janik AE, Vonnhof MJ, Gill SA
Singing the wrong song: Mismatching plumage and song phenotypes in a hybridizing population of Blue- and Golden-winged Warblers

2.7 Cyr M, Koper N
Song variation between House Wrens living in urban and rural areas on the island of Grenada

2.8 Navarre KL, Koons DN
Temporal covariation of demographic rates in Lesser Scaup (*Aythya affinis*) and management implications

2.9 *Dixon CR, Baer NA
Examining temporal changes in morphology, population dynamics, and wind migration patterns of raptor species migrating through Cape May, New Jersey

2.10 Kondrat-Smith CL, Lowery SF
Distribution, occupancy status, habitat associations and Fledgling movements of LeConte's Thrasher (*Toxostoma lecontei*)

2.11 Fischer SE, Granillo K, Stevens HC, Nemes CE, Streby HM
Tracking understudied songbirds in the desert: the post-fledging period of Gray Vireos

2.12 Pagel R, West EH, Streby HM
The fledgling doesn't roam far from the nest: Red-headed Woodpecker fledgling movement patterns during parental dependence

2.13 Horton CA, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW
Anomalous ocean conditions coincide with a lack of nesting activity in Marbled Murrelets in Oregon

2.14 Murphy TG, Korsten P, Birker M, Marfull R, Komdeur J
Aggressive females trade-off resource defense with parental investment in blue tits (*Cyanistes caeruleus*)

2.15 Manna T, Tong L, Moskat C, Ban M, Aidala Z, Hauber ME
Multiple parasitism relaxes egg rejection thresholds in hosts of mimetic avian brood parasites

2.17 *Taylor JA, Webster MM, Welklin JF, Khalil S, Swaddle JP, Karubian J
The link between social/familial relationships and ecto-parasite infection

2.18 Berg KS

The vocal-flight-respiratory axis: origins of avian vocal learning?

2.20 Bennett BL, Bildstein KL, Curry RL

Novel object exploration in a highly curious and social raptor

2.22 Butcher BG, Thrasher DJ, Campagna L, Webster MS, Lovette IJ

Double-digest RAD sequencing outperforms microsatellite loci at assigning paternity and estimating relatedness: a proof of concept in a highly promiscuous bird

2.23 *Hitt LG, Khalil S, Massa ML, Welklin JF, Swaddle JP, Webster MS

Conspicuous plumage acquisition and its behavioral correlates during the non-breeding season in the red-backed fairywren

2.24 LaBarbera K

Characterizing avian social networks using banding station capture data

2.25 *Dula MN, Garlinger RD, Curry RL

Variations in social network structures between eruption and non-eruption years in two chickadee species

2.26 Massa ML, Hagler SJ, Swaddle J, Webster M, Karubian J, Welklin J

Bright coloration does not incur predation cost in red-backed fairywrens

2.27 *MacDonald SE, Sperry JH, Ward MP

Facilitating Frugivory by Birds: A Novel Application of Conspecific Attraction

2.28 Steele B, Johnston J

American Crows Roost Near Development and Roads, but in Different Places Each Night During the Winter of 2016-17

2.29 Winston KM, Brooks DM, Winston JR

Swainson's Hawk (*Buteo swainsoni*) hunting behavior at an urban population of Free-tailed Bats (*Tadarida brasiliensis*)

2.30 Sanchez KA, Benedict L, Cicero C, Fialko K

Spotted Towhee (*Pipilo maculatus*) song characteristics at two time points across an urban gradient

2.31 Garcia Linares C, McKenna M, Job J, Wittemyer G, Meyer E

Using Automated Acoustic Recorders to Uncover Patterns of Avian Presence in a Sequoia Forest

2.32 Altamirano TA, de Zwaan DR, Ibarra JT, Martin K

Avian diversity above the clouds: comparing elevational patterns in North and South temperate mountains

2.33 Wilson BS, Jensen WE

Response of bird communities to cattle grazing and plant diversity in Conservation Reserve Program grasslands

2.34 *Hines CH, Walters EL

An indirect mutualism between host-specific insects and Hackberry trees (*Celtis* spp), mediated by migratory songbirds

2.35 Glass AJ, Eichholz MW, McTaggart S

Grassland community responses to habitat structure and restoration management actions

2.36 *Sandoval GL, Sanchez DM, Dittel JW

Frugivorous birds in recovering sagebrush steppe habitat: Frenemies of restoration?

2.37 Luyando Flusa SE, Vazquez-Carrero W, Schaffner Gibbs FC

Variations of Bird Communities in Early Successional Secondary dry forest versus Late Secondary dry forest in Salinas, Puerto Rico

2.38 *Schedl ME, Tsai WL, Maley JM, McCormack JE

Comparison of DNA extraction methods from museum specimens

2.39 Rahlin AA, Davis MA, Niemiller ML

Using environmental DNA sampling methods to determine cryptic wetland bird occupancy

2.40 Latif QS, Saab VA, Haas JR, Dudley JG

Fire-Bird Gis Tools for Applying Habitat Suitability Models to Inform Forest Management

2.41 Curry CM, Ruyle JE, Bridge ES

Electronic Transponder Analysis Gateway (ETAG): An Animal Behavior Observatory for Radio Frequency Identification Technology

2.42 Kohn GM, Apodaca JC, Wright TF

Backpack microphone system for individualized vocalization recordings in captive flocks of Budgerigars (*Melopsittacus undulatus*)

2.43 *Takano OM, Bates JM, Dumbacher JP, Marks BD, Moyle RG, Peterson AT

Inside the Birds of the World: CT-scanning fluid-preserved bird collections via the oVert Thematic Collections Network

2.44 Etterson MA, Schumaker N, Garber K, Lennartz S, Kanarek A, Connolly J
Modeling pesticide risk to California Gnatcatchers

2.45 Brush JS, Racelis A, Brush T
Pattern and structure of a suburban bird community in subtropical South Texas

2.46 Brush T, Brush JS
Avian use of mature and revegetated riparian woodlands in the Lower Rio Grande Valley of Texas

2.47 Doublet D, Desmond MJ, Johnson DH, Gebre-selassie FA
Assessment of western Burrowing Owl (*Athene cunicularia*) translocations from urban development sites to artificial habitat in the Phoenix, Arizona area

2.48 Dantzler-Kyer ME, Patten MA
Patterns in habitat selection between breeding and wintering grounds of Neotropical migrant passerines

2.50 Stouffer PC, Rutt CL, Jirinec V, Cohn-Haft M
Roads, not local landscape change, drive new avian colonists to fragmented Amazonian rainforest

2.51 Gramza AR, Dayer AA
Why Every Ornithologist Needs a Social Scientist Collaborator

2.52 *McNew SM, Beck D, Sadler-Rigglesman I, Knutie SA, Koop JA, Clayton DH
Epigenetic variation between urban and rural populations of Darwin's finches

2.53 Ruskin KJ, East AM, Cicero JJ, Strong AL
How have ecosystem services such as bird diversity changed since the development of the Schoodic Woods campground in Acadia National Park?

2.54 Besozzi EM, Muller JA, Grzybowski JA, Ross JD
Habitat analysis of Black-capped Vireos at Salt Creek Canyon, Blaine County, Oklahoma

2.55 *Llegus-Santiago EM, Maldonado-Ortiz IL, Rodriguez-Ramirez JG, Rivera-Castellar G, Jiménez-Figueroa CM
A bird survey: Assessment of migratory birds on Punta Cucharas Nature Reserve, Ponce, Puerto Rico before and after Hurricane Maria

2.56 López T, Rodríguez R, Bloom PH, Tracey J, Fisher R
Movements and habitat use of golden eagles in Baja California peninsula, Mexico

2.57 Gingerella L, Sterling A, Coleman S, Keyes T, Cooper R
Hatching a plan for plover conservation: Predator exclosures increase Wilson's Plover (*Charadrius wilsonia*) nest success

2.58 Bolinger SM, Averhart MD, Duke-Sylvester SM, Johnson EI
Effects of beach renourishment on nest survival of Least Terns in Southeast Louisiana

2.59 Freeman BB, Peterson AT
Completeness of Digital Accessible Knowledge of the Birds of Western Africa and Priorities for Survey and Inventory

2.60 Barker Swarthout S, Rohrbach RW, Dayer AA, Rodewald AD
Land Trusts and Birds: Partners in Strategic Conservation

2.61 *Hille DC, Muñoz E, Lezama Lopez M, Brightsmith DJ, Patten MA
Spatial and Temporal Patterns of Domestic Trade Pressure on Parrots in Nicaragua

2.62 *Swayser BW, Kutch JA, Master TL
Hooded Warbler Habitat Use in the Delaware Water Gap National Recreation Area and an Association with Japanese Barberry

2.63 Staicer CA, Nissen E, Arif S
Landbird Species at Risk in Forested Wetlands of Nova Scotia

2.65 *Waianuhe LK, Hagar JC
Corvid Response to Forest Thinning in the Willamette National Forest: Implications for the Conservation of the Marbled Murrelet

2.66 Awan MA, Khan BN
Effectiveness of birds' protection law at Pakistan

2.67 Lerman SB, Sullivan K, Bowen BS
From Kingbirds to Kinglets: Where are the Queens of ornithology?

2.68 *Belleny DE, Mathewson HA, Breeden JB, Tomecek J, Schwertner TW, Giocomo J
An evaluation of land restoration effects on northern bobwhite survival in north-central Texas

2.69 Frixione MG, Rodriguez-Estrella R
Segregation vs overlapping, small raptors diet in a fragmented desert in Baja California Peninsula, Mexico

2.70 Michels TJ, Dwyer AM, Philbrook K, Wunder MB

Spatiotemporal patterns of habitat use during incubation by a uniparental shorebird in a heterogeneous landscape

2.71 Donahue ER, Collins MD, Bryant L, Worm A, Matthews A, Wessels J

Non-breeding ecology of a declining grassland bird in agricultural landscapes: the loggerhead shrike

2.72 *Harrod SE, Rolland V

Factors Affecting Knowledge and Beliefs of College Freshmen towards Climate Change

2.73 *Du B, Maley JM, Tsai WL, McCormack JE

Moore Laboratory Specimens and Field Notes as Tools for Citizen Science: Assessing A Century of Environmental Change

2.74 *Studey KA

Arizona Lovebird Habitat Selection Inquiry Project

2.75 Wethington SM, Monroe KA, Jantz P, Moran AJ

Influence Of Environmental Factors On Vital Rates Of Rufous Hummingbirds Breeding In British Columbia