

Wednesday Poster Session 7:30–9:30 PM La Perouse - Explorers Hall

* indicates student presenters eligible for AOS presentation award

P101 ***Terrones Ramírez AK, Hernández Baños BE**
Genetic Variation on Populations of *Diglossa Baritula*
(Aves: Thraupidae)

P102 **Campbell KK, Winker KS**
Additional Evidence Suggests Elevating Numerous
Philippine Bird Subspecies to Species Status

P103 **Gillette SL, Withrow JJ, Glenn TC, Faircloth BC, Winker KS**
Genomic Data Suggest East Asian Mew Gulls and
North American Mew Gulls Belong to Separate
Biological Species

P104 **Halley MR**
Graceanna Lewis (1821–1912) and the First
Phylogenetic Tree of Birds

P105 **Chesser RT, James HF, Bretagnolle V, Estandia A, Levy MA, Welch AJ**
Toward a Complete Phylogeny of the Procellariiformes

P106 **Sprengelmeyer QD, Gurung A, DaCosta JC, Sorenson MD, Lindsay AR**
Phylogenetic Relationships of Loon Species Based on
DdRAD-Seq Data

P107 **Meeks GW, Anderson CM, Bell DA, Dixon A, Maechtle T, Nakajima K, Kumazawa Y, Novak BJ, Talbot S, White C, Zhan X, Johnson JA**
Peregrine Falcon Subspecies Phylogenomics Using
Whole-Genome Re-Sequencing

P108 **Mosack DA, Maley JM, Tsai WL, McCormack JE**
Genomic and Phenotypic Variation in Russet
Nightingale-Thrushes

P109 **Sonsthagen SA, Wilson RE, Cornman RS, Talbot SL**
Adaptation to the Arctic: Community Genomics of
Alaskan Galliforms

P110 **Pajot LM, Handel CM, Sonsthagen SA, Van Hemert C**
Is Geographical Prevalence of Beak Deformities
Related to Patterns of Genetic Diversity in
Northwestern Crows in Alaska?

P111 **Wadleigh RL, Ribas CC, Knowles LL**
Evaluating the Effectiveness of Dispersal Barriers in
the Negro River Basin for White Sand Associated
Passerines

P112 ***Rego MA, Del-Rio GC, Brumfield RT**
The Role of Geographical Barriers in Shaping
Amazonian Bird Distributions

P113 **Musher LJ, Ferreira M, Auerbach AL, McKay J, Cracraft J**
Why is Amazonia a ‘source’ of Biodiversity?
Climate-Mediated Dispersal and Synchronous
Speciation Across the Andes in an Avian Group
(Tityrinae)

P114 **Lepczyk CA, Klingbeil BT, La Sorte FA, Fink D, Flather CH**
Geographic Associations with Anthropogenic Noise
Pollution for North American Breeding Birds

P115 ***Mayette-Draper EM, Ralston J**
The Role of Climate Change in the Northward Range
Expansion of Red-Bellied Woodpecker (*Melanerpes
Carolinus*)

P116 ***Ramírez-Barrera SM, Velasco JA, Orozco-Téllez TM, Vázquez-López AM, Hernández-Baños BE**
What Drives Genetic and Phenotypic Divergence in
the Red-Crowned Ant-Tanager (*Habia Rubica*, Aves:
Cardinalidae)

P117 **Zhao M, Chang Y, Kimball RT, Zhao J, Lei F, Qu Y**
Pleistocene Glaciation Explains the Disjunct
Distribution of the Chestnut-Vented Nuthatch (Aves,
Sittidae)

P118 **Spaulding FR, McLaughlin JF, McCracken KG, Glenn TC, Faircloth BC, Winker KS**
Population Genomics Infer Different Modes of
Speciation with Gene Flow in the Green-Winged Teal
Complex

P119 **Takano OM, Steadman DW**
Raptor Evolution in North America Since the
Pleistocene

P120 **Wait DR, Cicero C, Malik A, Bowie RC**
Geographic Variation and Speciation in *Pipilo
Maculatus*

P121 **Weeks BC, Winger BM**
The Relationship Between Morphological Change
Across Ecological and Macroevolutionary Timescales
in Migratory Birds

P122 **Winker KS**

Heteropatric Speciation in Birds

P123 **Corbin CE**

Comparative Morphospace Filling in Three Passerine Flycatcher Clades

P124 **Fernando SW, De Silva TN, McCormack J, Peterson AT**

Climatic Niche Reconstructions Give New Insights to the Evolution of the New World Jays

P125 **Muñoz P, Sandoval L**

Social Mimicry Hypotheses in Mixed-Species Bird Flocks Tested in Costa Ricas Highland Bird Community

P126 **Shahrokhi GG, Patten M**

Evolution and Taxonomy Study of Herons in East Africa

P127 **Mack AL, Jones J**

Exploration of the Structure and Function of the Casque in Cassowaries

P128 **Nakao T, Ogihara N, Yamasaki T, Shimada M**

Okinawa Rail Has Relatively Larger Wulst in the Brain: Relationship Between Anvil-using Behavior and Brain Morphology

P129 **Ghimire AA, Vangorder-Braid JT, Sirman AE, Young RC, Westneat D, Heidinger BJ**

Body Size and Telomere Dynamics in House Sparrows

P130 **Heidinger BJ, Young RC, Kucera AC, Kittilson JD, Westneat DF**

The Long and Short of It: Are Telomeres Related to Lifetime Reproductive Success in Free-Living House Sparrows?

P131 ***Kane MS, Rowley M, Yancy B, Antalffy J, Omland K**

Predation of the Bahama Oriole (*Icterus Northropi*) by Rats (*Rattus Rattus*) on Andros

P132 **Harrod WD, Mumme RL**

Effect of Male Desertion on Provisioning, Growth, and Survival of Hooded Warbler Nestlings

P133 **Ridlon AM, Woodman CJ**

Technology and Student Outcomes When Integrating Undergraduate Researchers in Egg Logger Development

P134 **Taylor LU, Mauck RA**

Coordination, Conflict, and Neglect in Biparental Storm-Petrel Incubation

P135 ***Conroy E, Nemeth N, Ralston J**

Extra-Pair Parentage in Field Sparrows (*Spizella Pusilla*)

P136 ***Reel JJ, Underwood TJ**

Behavioral Responses of an Eastern Population of Red-Winged Blackbirds to Experimental Brown-Headed Cowbird Parasitism

P137 **Young RC, Sirman A, Vangorder-Braid J, Kittilson J, Ghimire A, Westneat DF, Heidinger BJ**

Intergenerational Stress in Parents and Nestling and Telomere Lengths in House Sparrows

P138 ***Scribner SE, Neudorf DL**

The Effects of Urbanization on Alarm Call Variation of Carolina Wrens (*Thryothorus Ludovicianus*) and Heterospecific Response

P139 **Heuermann TM, Curry RL**

Inter- And Intra-Specific Variance in Boldness Behavior of Hybridizing Black-Capped and Carolina Chickadees

P140 **Blanche AJ, Chenard KC, Duckworth RA**

Social Context Influences the Expression of Aggression in Zebra Finches

P141 **Chenard KC, Duckworth RA**

Structural Perspectives on the Evolution of Personality

P142 **Finlayson DK, Larsen RT, Knight RN, Phillips SE, Slater SJ**

Golden Eagle Use of Water Features in the West Desert of Utah

P143 **Smith DJ, Bates M, Sokol L, Kutalu T, Ewing EV, Grooms J, Espino A, Espino A, Kreizel KN, Heinisch S, Grandgenett N, Gillespie LM**

'Smart' Nest Boxes: Expediently and Remotely Collecting Avian Data Utilizing Unique Advantages Within Community Colleges

P144 **Ewing EV, Kreizel KN, Espino A, Grooms J, Hurley A, Gillespie LM**

Habitat Features and Similarity in Nest Defense Behavior in Mated Pairs of Eastern Bluebirds

P145 **Oropesa LO, Ewing EV, Gonzalez L, Kreizel KN, Espino A, Gillespie LM**

Possible Hybrid Barn X Cliff Swallows and How Colonial vs Solitary Nesting Behavior May Be Related to Plumage Anomalies

P146 ***Mady RP, Bonter DN**

The Effect of Supplemental Food Availability on Avian Space Use

P147 **Varra DM, Redmond LJ, Eroh CS, Haq JI**

The Effect of Predator Threat to Adults on Variation in Gray Catbird Nest Defense

P148 **Reed AN, McRae SB**

Settling Differences: Factors Affecting Nest Size Variation in the Eastern Bluebird

P149 **Shah SS, Rubenstein DR**

Sex-Based Difference in Direct Benefits Gained by Immigrants in a Cooperative Breeding Bird with Low Group Relatedness

P150 **Trombley ML, Brazell KA, Lindsay AR**

Avian Feeding Behavior in Response to Alpha-Pinene Olfactory Cues

P151 ***Zusi LM, Kloepper L**

The Behavior of Swainson's Hawks (*Buteo Swainsoni*) During Predation of Brazilian Free-Tailed Bats (*Tadarida Brasiliensis*) in Flight

P152 **Conkin JA, Bidwell MT**

Space Use by Breeding and Non-Breeding Whooping Cranes During the Breeding Season

P153 ***Skalos SM, Hull JM, Casazza ML**

Migration, Home Range, and Dispersal of Adult and Juvenile Northern Harriers (*Circus Hudsonius*) in Suisun Marsh, California

P154 **Pruitt ML, Smith KG**

Winter Occurrence and Roosting Behavior of Northern Saw-Whet Owl in Northwestern Arkansas (USA)

P155 **Vickers SH, Franco AM, Michel NL**

Dispersal on the Non-Breeding Grounds: a Neglected Process at the Heart of Range Dynamics in Migratory Birds

P156 ***Guggenheimer AA, Grace JK**

Correlating Body Condition and Habitat Management of Wintering Duck Populations in Texas Wetlands

P157 **Schabert VT, Roberts KA, Contina A, Covino KM**

What Can a Feather Tell Us? a Study of Hydrogen Isotopes and the Migratory Patterns of Common Yellowthroats (*Geothlypis Trichas*)

P158 ***de Zwaan DR, Wilson S, Gow EA, Martin K**

Sex-Specific Variation and Flexibility in Migration Behavior for Alpine Horned Larks

P159 **Fish AC, Blomberg EJ, Roth AM**

Migratory Ecology of American Woodcock (*Scolopax Minor*) in Eastern North America

P160 ***Larson LM, Ralston J**

Determining the Variation of Clock Allele Lengths Across Eleven Migratory and Resident Species

P161 **Pagano SS, Cavanaugh N, Hudson AO, Border M**

Exploring the Physiological Condition of Migratory Songbirds Near Lake Ontario: New Insights from the Gut Microbiota

P162 **Smith RJ, Hatch MI**

Temperature and Precipitation Experienced Prior to Capture in Northeastern Pennsylvania is Associated with Timing and Body Condition of Gray Catbirds and Common Yellowthroats During Fall Migration

P163 ***Stoner DJ, Underwood T**

Tree Foraging Preferences of Warblers During Fall Migration Along the Sacony Creek Trail

P164 **Watson JL, Paprocki N, Oleyar D, Booms T**

Spring 2016-2018 Migration Counts at North America's Northernmost Raptor Migration Site: Gunsight Mountain, Alaska

P165 **West AC, Swanson DL**

Stopover Biology of Grassland Birds at a Restored Tallgrass Prairie

P166 **Schuetz JG, Auer T**

Visualizing Bird Distributions Across the Annual Cycle: New Opportunities and Strategies

P167 **Skinner AA, Wright J, Matthews SN, Tonra CM**

Using GPS-Tracking to Fill Knowledge Gaps in the Full Annual Cycle of an Elusive Aerial Insectivore in Steep Decline

P168 **Crawford CS, Eichholz MW**

The Influence of Habitat Characteristics on Northern Bobwhite Population and Spatial Ecology in Southern Illinois

P169 ***Rosenblatt CJ, Gates RJ, Matthews SN**

Modeling Population Dynamics of the Northern Bobwhite (*Colinus Virginianus*) in Ohio

P170 **Harms TM, Dinsmore SJ, Jones III OE**

Estimating Age- And Sex-Specific Annual Survival of Wood Ducks (*Aix Sponsa*) in Iowa

P171 ***Oliver Brown CC, Carter BE**

Testing for Population-Level Morphological Variation in Museum Collections of Clark's Nutcrackers

P172 **Weiser EL, Thogmartin WE, Will TC**

Demographic Models to Support the Endangered Species Act Listing Decision for Golden-Winged Warblers

P173 **Rowley MG, Eldredge C, Dula M, Curry RL**

Impact of Irruptive Black-Capped Chickadees on Social Structure of Resident Carolina Chickadees

P174 **Bauernfeind SM, Wiley DL, Williamson JL, Fischer SE, Streby HM, Witt CC, Barrow LN**
Haemosporidians in Vireos: Insights on Coevolution from a Comparison of Elevational-Replacement Species

P175 **McArthur JW, Collins MD**
Prevalence and Diversity of Avian Malaria Parasites in a Raptor Community

P176 **Gerik DE, Van Hemert C, Zylberberg M, Handel CM, DeRisi JL**
Investigating Poxvirus as a Cause of Global Beak Deformities

P177 ***Gutierrez-Ramos NA, Acevedo MA**
Consequences of Infection by Avian Malaria Parasites in the Urban Forests of Puerto Rico

P178 **Krajcir KJ, Matthews AE, Worm AJ, Boves TJ**
What Factors Are Related to Feather Mite Abundance Within, and Among, Species of Parulid Warblers?

P179 ***Maywald SL, Corbin CE, Williams LM, Hrantiz JM, Henry KW**
Potential Environmental Predictors, Blood Meal Analysis, and Larvae Presence of an Important West Nile Virus Vector (*Culex Restuans*) in Ruffed Grouse Habitat

P180 **Pacheco MA, Cepeda AS, Bernotien R, Matta NE, Valkinas G, Escalante AA**
New Primers for PCR Detection and Differential DNA Amplification of Avian Haemosporidian Parasites Belonging to Different Genera

P181 ***Paget CJ, Sharp JS, Lindsay AR**
Rapid Detection of Avian Blood Parasites and West Nile Virus in the Common Loon Utilizing Loop-Mediated Isothermal Amplification

P182 ***Tobin EJ, Duke-Sylvester SM**
Demography and Infectious Disease Ecology of a Resident Passerine in Southern Louisiana

P183 **Martinez V, Grace JK**
Living on Edge: Interactions Between Stress Hormones and Blood Parasites in Birds Along Elevation Gradients

P184 **Siller SJ**
Methylation in the GR Promoter in the Brain and Blood of the European Starling

P185 **Kellam JS**
Woodpeckers Frequently Use Forest Habitat Damaged by Tornado for Foraging, but Not Nesting

P186 ***Foli ES, Gill SA, Vonhof MJ**
The Meaning of Song Structure: Exploring Behavioral Responses of Field Sparrows to Three Simple Song Types

Thursday Poster Session 7:30–9:30 PM La Perouse - Explorers Hall

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P201 ***Carpenter AM, Spellman GM, Klicka J, Burg TM**

Molecular Differences of Warbling Vireos (*Vireo gilvus*) Across a Contact Zone

P202 **Borgmann KL, Miller E**

The Macaulay Library: An Increasingly Powerful Resource for Research

P203 **Brewer DE, Alcantara SG, Fudickar AM**

An Urban-Rural Comparison of Song Repertoire Size and Song Characteristics of Song Sparrows

P204 **Gomez Murillo L, Kelly JP, Alfonso Cuta C, Pendred M, Tarwater C**

Role of Age and Competition in Territorial Aggression in a Tropical Understory Bird

P205 ***Sloof CM, Lovell SF, Lein MR**

Revisiting Cultural Evolution and Variation of Song in an Isolated Population of Mountain White-Crowned Sparrows

P206 ***Vitale NE, Brush J, Powell AN**

Factors Limiting Reproductive Success of American Oystercatchers (*Haematopus palliatus*) in Florida's Big Bend

P207 **Gibbons RE, Deichmann P**

Consistent Fall Nesting of Neotropical Cormorants (*Phalacrocorax brasilianus*) in Coastal Texas

P208 **Kreizel KN, Ewing EV, Gonzalez L, Espino A, Koch A, Gillespie LM**

Description of Possible Hybrid Barn X Cliff Swallows in East Central Nebraska Identified via Anomalous Plumage Variation

P209 **Gonnerman MB, Shea S, Kamath P, Sullivan K, Blomberg E**

Influences of Multi-Scale Habitat Quality and Female Behavior on Nest Success of Eastern Wild Turkeys

P210 **Goodnow BE, Bulluck LP**

Regional Variation in the Relationship Between Breeding Phenology and the Onset of Spring

P211 **Hoppe IR, Johnson AE**

Nest Survival in a Cooperatively-Breeding Bird: Do Helpers Mediate the Effects of Poor Environmental Conditions?

P212 **Eroh CS, Redmond LJ, Varra DM**

The Use of Trail Cameras to Identify Nest Predators of a Population of Gray Catbirds

P213 **Johnson TN, DeBano S, Young A, Kennedy PL**

Grazing-Induced Trophic Relationships and Implications for Grassland Songbirds

P214 **Thompson EN, Redmond LJ, Noble D, Haq JI, Fleming M, Patel V**

Offspring Sex Ratio Bias in a Pennsylvania Population of Gray Catbirds

P215 **Richardson RM, Matsuoka SM, Johnson JA, Romano MD, Taylor AR**

Decadal Comparisons of the Nesting Ecology of McKay's Buntings Breeding on St. Matthew Island, Alaska

P216 **Spence AR, Socolar JB, Stillman AN, Tingley MW**

Population Response to Extreme Temperatures Across North American Bird Ranges

P217 ***Pokharel A, DeLong JP**

Prey Selection by Migratory Birds of Prey Using DNA Barcoding Technique

P218 **Webb EA**

Florivory as an Opportunistic but Essential Foraging Strategy for Avian Specialists

P219 **Wunderle Jr JM, Lebow PK, Rockwell SM, Powell A, Bearhop S, White JD, Currie D, Ewert DN, Marra PP**

Adaptive Fat Regulation in the Mixed Arthropod-Fruit Diet of a Neotropical-Nearctic Migrant on the Wintering Grounds

P220 ***Bumelis KH, Cadman MD, Mitchell GW, Hobson KA**

Niche Segregation among Three Sympatric Species of Swallows in Southern Ontario

P221 **Heckscher CM, Mendez D, Aispuro AA, Kneidel AH, Mancuso ML**

Miniature GPS Data Loggers Reveal Three Behavioral Strategies and Confirm the Habitat Use of Non-Migratory Veeries in South America

P222 **Bennett BL, Burton ES, Driver RJ, Curry RL**

Won't You Be My Neighbor? Distribution of Nesting Pairs Within a Hybrid-Zone Chickadee Population

P223 **Genier CS, Mitchell GW, Falconer M, Branfireun BA, Hobson KA**

Dietary Costs and Benefits of Lakeshore vs Aggregate Pit Breeding in Bank Swallows (Riparia Riparia)

P224 **Shustack DP, Wait HL, Gonzalez J**

Slate-Colored Juncos (Junco Hyemalis) in Western Massachusetts

P225 **Saracco JF, Siegel RB, Helton L, Stock SL, DeSante DF**

Phenology and Productivity in a Montane Bird Assemblage: Trends and Responses to Elevation and Climate Variation

P226 **Smith DJ, Roe AJ, Winnicki SK, Williams EJ, Hope AG, Boyle WA**

Consequences of Severe Drought on Grassland Songbird Reproduction

P227 **Weiser EL**

Population-Level Effects of a Record-Setting Spring Snowstorm Are Related to Diet and Migratory Strategy

P228 **Wynia AL, Rolland V, Jimenez JE**

A Novel Device to Best Detect Key Woodpeckers: An Experiment with the Magellanic Woodpecker

P229 **Anparasan L, Hobson KA**

Tracing Nutrient Sources to Lipid Production in a Passerine Using Stable Isotope (13C, 2H) Tracers

P230 **Buck EJ, Buehler DA**

Acoustic Monitoring of American Woodcock (Scolopax Minor) in Tennessee

P231 **Howell RG, Larsen RT, Petersen SL, Jensen RR**

Using High-Resolution SUAS Imagery to Create 3D Models of Greater Sage-Grouse Habitat

P232 **Medina JJ, Maley JM, Nunn HJ, Grundy KD, Valdez E, McCormack JE**

Birds Eye View: 3D Digitization of the Moore Lab of Zoology's Holotype Specimens

P233 **Bergeron LM, Logan C**

Modifications to the Bownet Trapping Method to Increase Safety and Efficiency for Medium-Sized, Agile Birds

P234 **Diaz-Mendez SN**

Using Species Distribution Modeling to Estimate the Distribution of the West Indian Whistling Duck (Dendrocyna Arborea) in Puerto Rico

P235 **Garlinger RD, Curry RL**

RFID Technology: Does Tagging Method Matter for Survivorship of Backyard Birds?

P236 **Weyenberg GS, Howells LO, Rumpungworn MD, Paxton KL, Crampton LH, Hart PJ**

A Software Tool for Producing Annotations of Prolonged Audio Recordings Using Machine Learning and Deep Neural Networks

P237 **Steen VA, Tingley M, Elphick C, Paton P, Clarkson C**

Comparing Approaches for Modeling Bird Distributions from Imbalanced and Spatially-Biased Data

P238 **Ward DH, Stillman RA, River EM, Gilkerson W, Woods KA, Golicher JD, Nolet BA, Clausen P**

Range Shifts, Environmental Change and Tipping Points: Predicting Impacts on Long-Distance Migratory Herbivores

P239 **Lindquist MC, Buckland EL, Carpenter JP, Danner RM**

Characterizing Movements of Saltmarsh and Seaside Sparrows on Wintering Grounds Using Radio Telemetry

P240 **Clarke JR, Master TL**

The Northern Waterthrush: Analyzing the Distribution and Abundance of a Secretive Songbird in Pennsylvania

P241 **Dorn RP, McArthur JW, Boyle SA, Collins MD**

Using GIS to Identify Sites for Installation of Barn Owl Nest Boxes

P242 **Colón-Cruz MC, Pérez-Cruz IJ, Schaffner FC**

Post-Hurricane Assessment of Abundance and Diversity of Land Birds in Coastal Dry Forest at Jobos Bay

P243 **Griffin KR**

An Inventory of Katmai National Park's Seabird Colonies

P244 **Heglund PJ, Newman J, Stanton J**

Putting the Right Habitat, in the Right Places, at the Right Time: Integrated Waterbird Management and Monitoring

P245 **Heintz EC, Tobin EJ, Duke-Sylvester SM**

Sex-Specific Demography of a Monomorphic Passerine in Southern Louisiana

P246 **Hendrickson BJ, Eichholz MW**

Distribution, Abundance, and Habitat Selection of Breeding Mississippi Kites (Ictinia Mississippiensis) in Southern Illinois

P247 **Martinez J, Leberg P**

The Effects of Louisiana's Shifting Coastline and Island Characteristics on Seabird Colony Presence

P248 **McCloy MW, Glasscock S, Barboza P, Grace JK**

Autonomous Recording Units as a Tool for Understanding Resilience in Avian Communities

P249 ***Merayo García J, Ruvalcaba Ortega I, Wunder M, Gonzalez Rojas JI, Guzmán Velasco A**
Abundance and Occupancy of Mountain Plover in Northeastern México

P250 **Morrison LW, Peitz DG**

Bird Surveys in Small Geographical Areas: Biases and Tradeoffs

P251 **Roper VG, Green L**

Using Tree Swallows to Evaluate the Effectiveness of Artificial Wetlands to Support Aerial Insectivores

P252 **Ruhl PJ, Kellner KF, Dunning Jr JB**

Variables Explaining Early-Successional Habitat Associations of Six Mature-Forest Bird Species During the Breeding Season

P253 **Dzielski SA, Twining CW, Cleckner LB, Razavi NR**

The Risks and Benefits of an Emerging Aquatic Insect Diet: Methylmercury in Eastern Phoebe (Sayornis Phoebe) Chicks

P254 **Garrison-Tovar PA, James J, Shepherd D, Bolus R**

Effects of Aviation Noise on Avian Communication Along a Noise Pollution Gradient

P255 ***Donahue ER, Bryant LC, Wessels JL, Youtz JA, Raibley R, Worm AJ, Krajcir KJ, Chabot AA, Hobson KA, Boves TJ**

Survival and Non-Breeding Habitat Selection of Loggerhead Shrikes in Agricultural Landscapes of Arkansas

P256 ***Milbern LC, Matthews SN**

Breeding Songbird Habitat Utilization in Urban Riparian Forests

P257 **Ferguson SM, Barr JI, Bateman PW**

Predictability of the Predator, Not Habituation to Humans, Drives Silver Gull Flight Initiation Distance

P258 **Neudorf DL, Barragan GA**

Nesting Success of Carolina Wrens in an Urban and a Rural Ecosystem

P259 **Beilke SJ, Saunders SP, Rahlin A**

Marsh Bird Responses to Urbanization and Urban Wetland Habitat Availability at Multiple Spatial Scales

P260 **Taylor SS, Jirinec V, Williams ST, Bresnan AM, Rodrigues PF, Perez Umphrey AA, Rutt CL, Long A, Stouffer PC**

Barred Owl Habitat Use Across an Urban Gradient

P261 **Harwood CM, Gates HR, Johnson JA, Lancot RB, Ruthrauff DR**

Alaska Shorebird Conservation Plan, Version III

P262 **Schaefer RR, Rudolph DC, Williamson JH, Pierce JB, Shackelford CE**

Habitat Characteristics of Henslow's Sparrow and LeConte's Sparrow Flush Points in a Small Blackland Prairie in Southeastern Texas

P263 ***Gura KB, Bedrosian B, Patla S, Chalfoun AD**

Great Gray Owl Home Range and Habitat Selection During the Breeding Season

P264 ***Hegg A, Dixon M, Swanson DL**

Invasive Plants and Bird Nesting Success in Missouri River Riparian Forests

P265 **Roach MC, Thompson FR**

Relationships Between Eastern Whip-Poor-will and Chuck-Will's-Widow Abundance and Landscape Composition and Management

P266 ***Schunck F**

The Shorebirds May Disappear from Around the Largest City in South America

P267 **Schunck F, Silveira LF, Nascimento VS**

A New Priority Area for Endemic and Threatened Birds in the Atlantic Forest of Southeastern Brazil

P268 **Schunck F**

Shorebirds Use the Surroundings of the Largest Urban Area of South America

P269 **Schunck F**

The People of the Largest City in South America Are Unaware of Their Shorebirds

P270 **Fantle-Lepczyk JE, Duffy D, Crampton L, Taylor A, Conant S**

An Analysis of Translocation Regimes for the Endangered Puaiohi

P271 ***DeJong LN, Proppe D**

Multispecies Song Playback Attracts Songbirds to Hardwood Forest Habitats Near and Far from Roads

P272 **Gulson-Castillo ER, Winarni NL**

Hornbill Conservation in Sulawesi, Indonesia

P273 **Fischer PC, Brown J, Bush K, Lorenz T**

Engaging Incarcerated People in Avian Research and Conservation: The Sustainability in Prisons Project (SPP)

P274 **Pidgeon AM, Politi N, Martinez-Pastur G, Rivera L, Lizarraga L, Martinuzzi S, Radeloff VC**
Incorporating Critical Bird Habitat and Climate Resilience in Argentina's Forest Use Plans

P275 **Woodman CJ, Brightsmith DJ**
Private-Public Partnerships for Intensive Management Skill Building

P276 **Yancy BM, McKoy CN, Antalffy JM, Omland KE**
Nest Site Characteristics of the Bahama Oriole: Habitat Requirements for a Critically Endangered Species

P277 **Glass AJ, Eichholz MW**
Grassland Community Responses to Habitat Structure and Management Actions

P278 **Kosciuch KL, Howlin S, LeBeau C**
A Meta-Analysis of Effects of Wind Energy Development on Grouse Survival and Behavior

P279 **Nefas SM, Dixon M, Swanson DL**
Early Cottonwood-Willow Successional Forest Avian Diversity: What Do We Lose by Managing Sandbars for Plovers and Terns?

P280 **Pagano SS, Ross AD, Pagano T**
Integrating Biology and Chemistry in an Outdoor Ornithology Learning Environment

P281 **Withrow JJ, Winker KS**
Capitalizing on a Mass Mortality Event: Archiving Seabird Genetic Samples, Skins, and Skeletons from the M/v Selendang Ayu Oil Spill

P282 **Daigler LH, Fuchs J, Grande F, Hanson S, Mitchell TB, Campbell-Smith J**
Birds Across Borders: Building an International Community of Ornithology

P283 **Johnson AE, Welklin J**
The Fairywren Project: Testing the Causes of Intraspecific Variation in Social Behavior and Signaling Traits Across an Ecological Gradient

P284 **Taylor AR, Doherty S, Kristich P, Johnson B**
Science Outside the Classroom: Birds 'n' Bogs Citizen Science Program as a Teacher/Scientist Partnership