

AMERICAN ORNITHOLOGY 2018



2018 American Ornithological Society Program Celebrating Connections: Birds Across Borders

April 9 -14, 2018

Tucson, Arizona

Hilton El Conquistador

amornithmeeting2018.org

#AOS18AZ



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CACTUS WREN BY GERRIT VYN, VERMILION FLYCATCHER
BY BRYAN CALK/MACAULAY LIBRARY, ELEGANT TROGON
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Welcome to Tucson!



On behalf of the Local Organizing Committee and the Meetings Coordination Committee, I welcome you to the 136th meeting of American Ornithology. We hope that you have a wonderful time here in the Sonoran Desert. We want you to enjoy the meetings...learn in-depth about a new topic, talk to a scientist whom you've been wanting to meet, share your knowledge and love of birds, see a new species, and have a great deal of fun.

We have invited Dr. Stephen and Ruth Russell to be Honorary Co-chairs for this meeting. The special symposium on "Forty years of finding birds in southeastern Arizona" (Thursday from 6 - 7:30 pm) honors the Russells, their work on southeastern Arizona birds, and their contributions to American ornithology.

Program highlights include a keynote address by Dr. H. Ronald Pulliam, five intriguing plenary talks, 15 symposia on a diversity of topics, five workshops, two evening poster sessions, three roundtable discussions, 16 field trips, the All-out Ostrich Scramble, and the banquet and bird jam on Saturday night. Don't miss the binational symposium on "Desert birds in peril: research and conservation challenges in northern Mexico and the southwestern United States," emphasizing the theme of the conference, Celebrating connections: birds across borders. Please enjoy networking and discussing science during the many special events for students, early professionals, and other groups.

Thanks so much for coming to this meeting. We are delighted that you are here and look forward to seeing you again or meeting you for the first time!

Sallie Hejl

Local Organizing Committee

Sallie Hejl (chair), National Park Service
Bonnie Bowen, Iowa State University emeritus
Andy Boyce, University of Arizona
Kathryn Chenard, University of Arizona
Jennie Duberstein, Sonoran Joint Venture
Renee Duckworth, University of Arizona
Rolf Koford, US Geological Survey retired
Erin Morrison, American Museum of Natural History
Susan Sferra, US Fish and Wildlife Service

Charles van Riper III, US Geological Survey and
University of Arizona emeritus
Carol Vleck, Iowa State University emeritus

AOS Meeting Coordination Committee co-chairs

Susan Skagen, US Geological Survey emeritus
Mike Webster, Cornell University
Courtney Conway (scientific program), US
Geological Survey Idaho Cooperative Research Unit

Logo designed by Kathryn Chenard

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Exhibitors

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Lotek
Journal of Avian Biology
Wildlife Acoustics

Kathryn Chenard artwork
GeoTrak
AFO Avian Research Supplies and Avinet
Smithsonian Institution

Our thanks to the many organizers and committees that bring energy to our meetings!

Honorary Co-chairs: Stephen and Ruth Russell

AOS Executive Office: Melinda Pruett-Jones, Crystal Ruiz, Chris Mulvaney

Local Arrangements Committee: Chair, Sallie Hejl; Bonnie Bowen, Andy Boyce, Carol Vleck (field trips), Kathryn Chenard (logo), Jennie Duberstein, Renee Duckworth, Rolf Koford, Erin Morrison (volunteer coordinator), Susan Sferra, Charles van Riper III

Scientific Program Committee: Chair, Courtney Conway; Vicki Garcia, Bob Steidl, Bill Mannan, Bob Cooper, Alberto Macías Duarte, Nancy Chen, Lauryn Benedict, Michael Anderson, Blair Wolf, Bob Clark, Vicky Dreitz

Meetings Coordination Committee: Co-chairs, Susan Skagen, Mike Webster, and Courtney Conway

Website and social media: Jordan Rutter

Student & Postdoc Travel and Presentation Awards: Co-chairs, Matt Carling and Morgan Tingley

Early Professional Awards: Chair, Katie Dugger

Student Activities Committee: Co-chairs, Nicholas Mason and Amelia-Juliette Demery

Early Professionals Committee: Chair, Sara Kaiser

Diversity and Inclusion Committee: Co-chairs, Kevin Omland and Viviana Ruiz Gutierrez

Field trip and bird walk leaders: Tucson Audubon Society and Sonoran Joint Venture

And our special thanks to our energetic and capable Event Planners: Katie Kulp and Lynn Williston



diversity
an Open Access Journal by MDPI

Special Issue: Genomic Analyses of Avian Evolution

Guest Editors:
Prof. Peter Houde
New Mexico State University Las Cruces
Prof. Michael Wink
Heidelberg University

Special Issue Keywords:
avian genomes
genetics of adaptive traits
phylogenomics

Deadline: 31 August 2018

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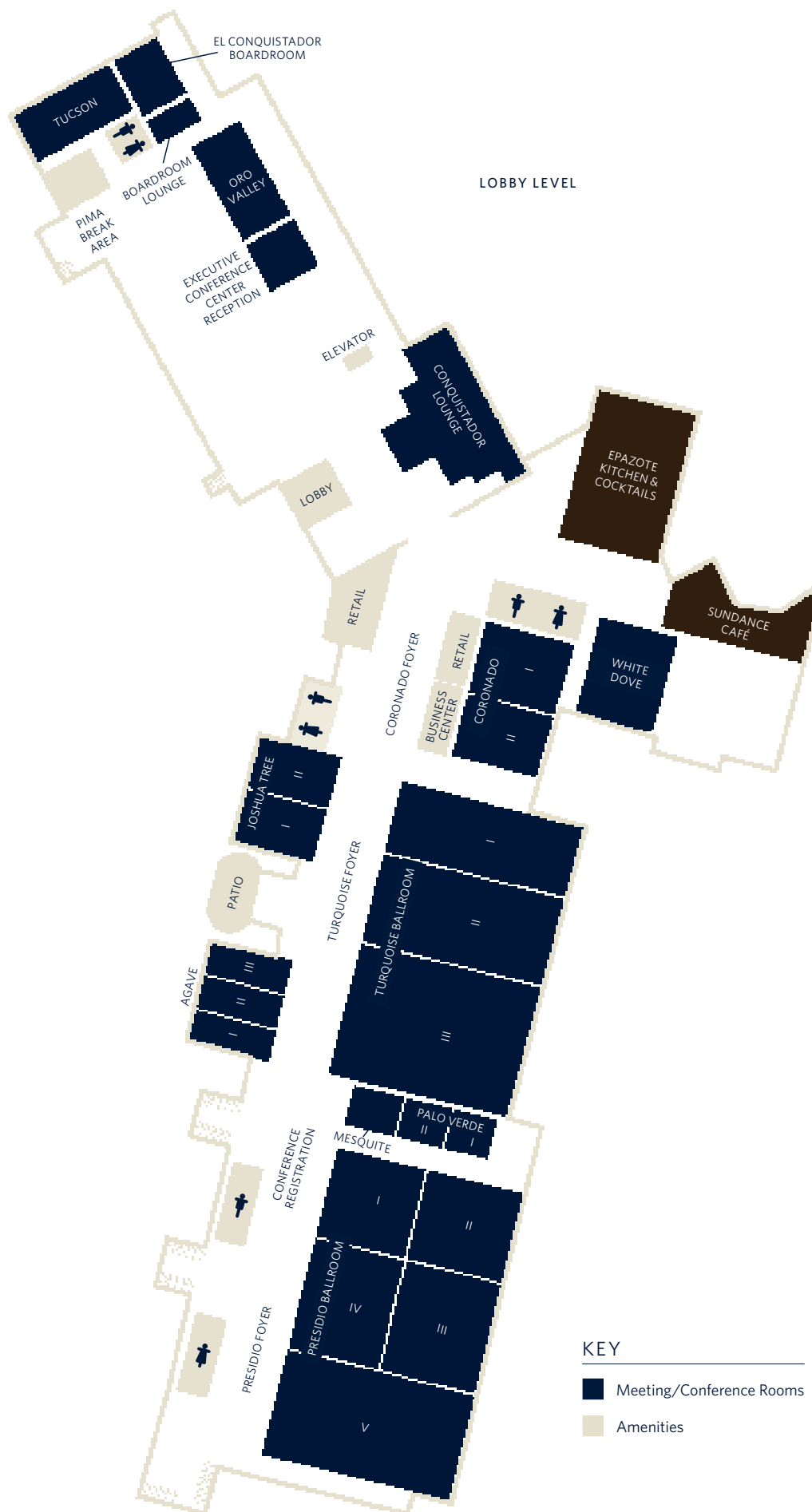
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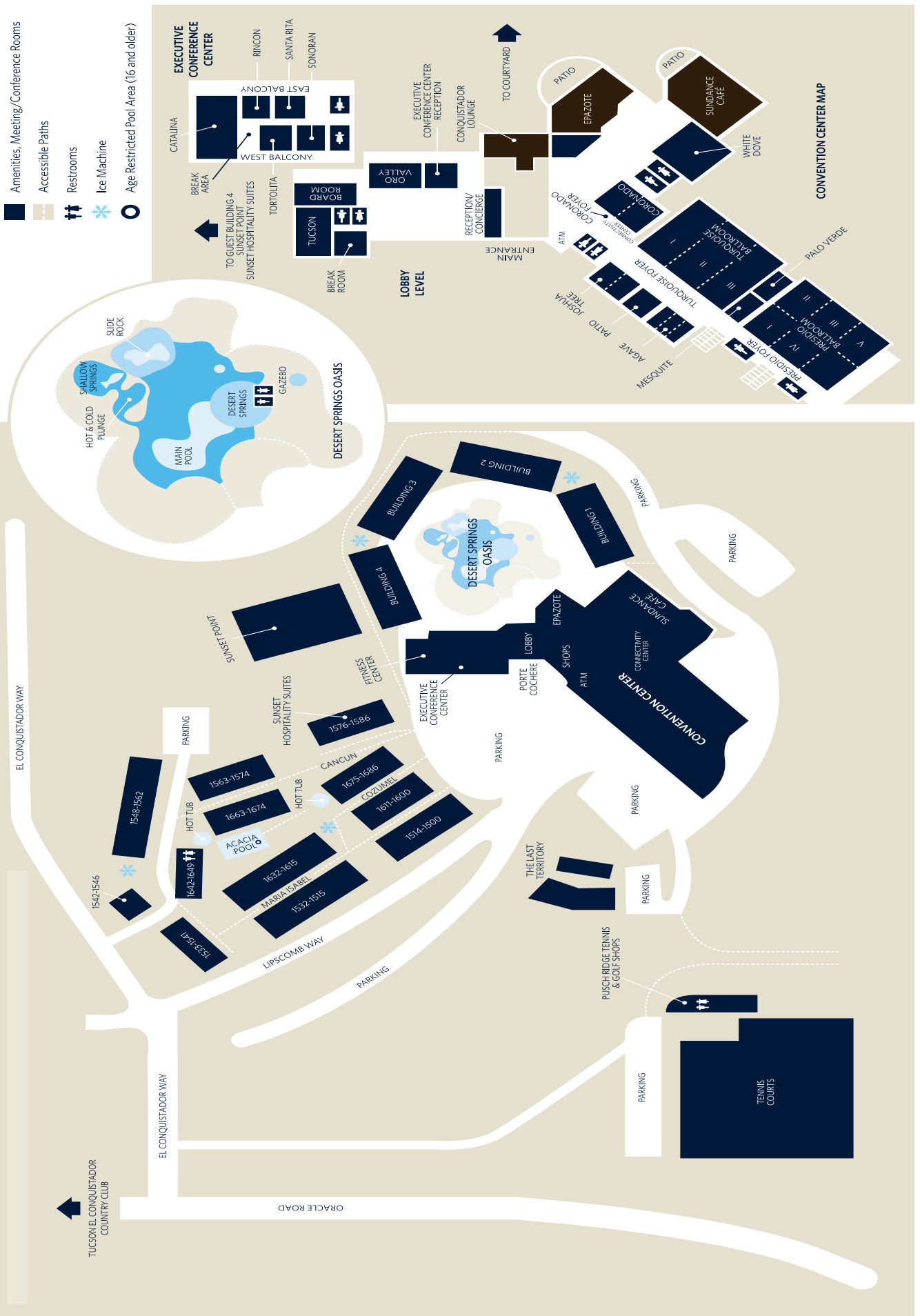
KEY

- Meeting/Conference Rooms
- Amenities

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KEY

- Swimming Facilities
- Food & Beverage
- Amenities, Meeting/Conference Rooms
- Accessible Paths
- Restrooms
- Ice Machine
- Age Restricted Pool Area (16 and older)



General Information



Registration and Information Desk

Registration will be located in the Turquoise Foyer, the main hallway outside of Turquoise Ballroom, during times listed below.

Mon 4–8pm; Tues 12–9pm; Wed 7am–6pm; Thur–Sat 8am–5pm

Presentation Ready Room

Palo Verde. Hours: Tues 4–9pm; Wed 7am–6pm; Thurs–Fri 8am–5pm, Sat 8am–1pm

Venue Information

The majority of events and talks will be held in the convention center and main building of the Hilton El Conquistador. The keynote address, plenaries, and awards will be in Presidio Ballroom III–V. The Last Territory is a short walk downhill from the convention center; if transportation is needed, please inquire at the hotel registration desk. A business center with PCs and Macs has a printer for complimentary use for boarding passes and short documents.

Registration Fee & Name Badge

Please be sure to wear your badge at all times. Note the back of your badge denotes your ticketed and registered events (other than field trips). Events that require pre-registration are denoted by R. For onsite sign-up (O), please check at the meeting Registration Desk. Drink tickets can be used at any event with a bartender.

Code of Conduct

Please become familiar with the 2018 AOS Meeting Code of Professional Conduct at <https://amornithmeeting2018.org/code-of-conduct/>

Message Board

This will be maintained near the Registration Desk throughout the meeting. Please feel free to put up messages at any time during the meeting.

Coffee Breaks

Coffee breaks for conference attendees will be in Turquoise and Presidio Foyers each day, W–S, at 10:00 am – 10:30 am and 3:00 pm – 3:30 pm. Coffee served at the meeting was generously donated by our 2018 meeting sponsor, Allegro Coffee, and is Bird Friendly™ certified by the Smithsonian Migratory Bird Center.

Exhibitors

Exhibitors are located in Turquoise Ballroom with posters and the silent auction. Exhibit Hall hours are as follows: Wed 8 am – 9 pm, Thursday 8 am – 9:30 pm and Friday 8 am – 3:30 pm.

Internet

Access wireless internet throughout the conference center and hotel using the “Hilton_Meetings” network from your wireless options. Open browser to enter code: AOS18.

Early morning bird walks

Join the Sonoran Joint Venture for free early morning bird walks each day during the conference (10–14 April 2018), leaving from the front lobby at 6 am and returning in time for the plenary sessions. Sign up at the meeting registration desk; first-come first-served. We’ll explore the habitat around the hotel grounds in search of Sonoran Desert birds—you never know what might show up! Bring binoculars (some will be available to borrow if you forget yours), water, and a snack.

For additional information about the meeting and society, please see our websites:
<https://amornithmeeting2018.org> (meeting) and <https://americanornithology.org> (society).



Food & Beverage Key

-  Coffee/tea service
-  Beer & wine cash bar
-  Food service
-  Hors d'oeuvres served
-  Dessert

Superscript letters denote:
 R - pre-conference registration required
 O - on-site registration is available
 C - committee meeting

MONDAY, APRIL 9, 2018

TIME	EVENT	LOCATION
4:00 pm – 8:00 pm	Registration & information	Turquoise Foyer
8:30 am – 4:30 pm	North American Banding Council ^C	Agave
1:00 pm – 5:00 pm	Workshop: Professional development for students ^R	Presidio I
6:00 pm – 9:00 pm	AOS Council meeting ^C 	Joshua Tree

TUESDAY, APRIL 10, 2018

TIME	EVENT	LOCATION
12:00 pm – 9:00 pm	Registration & information	Turquoise Foyer
8:00 am – 3:00 pm	AOS Council meeting ^C 	Joshua Tree
8:30 am – 4:30 pm	North American Banding Council ^C	Agave
8:00 am – 12:00 pm	Roundtable: Challenges and opportunities for conservation of non-migratory birds	Presidio I
8:00 am – 5:00 pm	Workshop: Get spatial! Using R ^R	Presidio II
8:00 am – 5:00 pm	Workshop: Packages for bioacoustics analyses ^R	Coronado I
8:00 am – 5:00 pm	Workshop: Taking the next step with R data ^R	Coronado II
1:00 pm – 4:00 pm	Workshop: Making science more inclusive ^R	Presidio I
4:00 pm – 5:30 pm	AOS Fellows' meeting ^C	Presidio III-IV
5:30 pm – 7:00 pm	AOS Fellows' dinner ^R  	Sundance Cafe
7:00 pm – 8:00 pm	Keynote speaker: Dr. H. Ron Pulliam	Presidio III-V
8:00 pm – 10:00 pm	Opening reception  	Outside Terrace

Online Schedule Be sure to use our online scheduling tool at <http://aos2018annualconference.sched.com> to make a personalized agenda, search by author or topic, read daily announcements, and more.



WEDNESDAY, APRIL 11, 2018

TIME	EVENT	LOCATION
6:00 am - 7:30 am	Early morning bird walk °	Registration Desk
7:00 am – 6:00 pm	Registration & information	Turquoise Foyer
8:00 am – 10:00 am	Welcome, plenary (Jeff Brawn), election results	Presidio III-V
10:00 am – 10:30 am	Coffee break ☕	Presidio/Turquoise Foyers
10:30 am – 12:00 pm	Concurrent sessions Behavior Conservation & life history Tropical & general ecology Molecular ecology Foraging & food habits Biogeography Sym: Tackling impacts of free-ranging cats on birds & people	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
12:00 pm – 9:00 pm	Silent auction (bids begin at noon)	Turquoise I
12:00 pm – 1:30 pm	Lunch	
12:00 pm – 1:30 pm	Student - mentor lunch ^R	Hilton Restaurants
12:00 pm – 1:30 pm	Diversity & Inclusion Committee	Joshua Tree I
1:30 pm – 3:00 pm	Concurrent sessions Songs & vocalizations Conservation Management & policy Evolution Sym: Underlying mechanisms of avian hybridization Phylogenetics Sym: Tackling impacts of free-ranging cats on birds & people	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
3:00 pm – 3:30 pm	Coffee break ☕	Presidio/Turquoise Foyers
3:30 pm – 5:00 pm	Concurrent sessions Genomics & evolution Sym: Underlying mechanisms of avian hybridization Sym: Early Professionals mini-talks Sym: Tackling impacts of free-ranging cats on birds & people	Presidio I Presidio II Presidio III-IV Presidio V
5:30 pm – 7:00 pm	Dinner	
5:30 pm – 7:00 pm	Early Professional reception ^R 🍷	Presidio Foyer
7:00 pm – 9:00 pm	Poster reception 🍷	Turquoise Ballroom



THURSDAY, APRIL 12, 2018

TIME	EVENT	LOCATION
6:00 am - 7:30 am	Early morning bird walk ^o	Registration Desk
6:30 am – 7:30 am	All-out Ostrich Scramble (5K) ^R	Last Territory
8:00 am – 5:00 pm	Registration & Information	Turquoise Foyer
8:00 am – 5:00 pm	Silent auction	Turquoise I
8:00 am – 10:00 am	Plenary (Rebecca Kimball), AOS awards	Presidio III-V
10:00 am – 10:30 am	Coffee break ☕	Presidio/Turquoise Foyers
10:30 am – 12:00 pm	Concurrent sessions Population biology & dynamics Migration & stopover Songs & vocalizations Models & emerging tools Habitat change & relationships Sym: Ecology & conservation of birds in Great Plains Sym: Genomics to understanding adaptation & diversification	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
12:00 pm – 1:30 pm	Wildlife Acoustics demonstration ^{RO} ✂	Agave I
12:00 pm – 1:30 pm	Lunch	
12:00 pm – 1:30 pm	Meet the journal editors: Auk and Condor ✂	Joshua Tree
1:15 pm - 5:00 pm	Behind the scenes tour of Reid Park Zoo ^o	Registration Desk
1:30 pm – 3:00 pm	Concurrent sessions Sym: Undergraduate symposium Movement & dispersal Landscape Ecology Evolutionary ecology Sym: Understanding avian-solar interactions Sym: Ecology & conservation of birds in Great Plains Sym: Ecology, evolution, & conservation of molt-migration	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
3:00 pm – 3:30 pm	Coffee break ☕	Presidio/Turquoise Foyers
3:30 pm – 5:00 pm	Concurrent sessions Sym: Undergraduate symposium Annual cycle Behavior & breeding biology Genomics Sym: Understanding avian-solar interactions Sym: Ecology & conservation of birds in Great Plains Sym: Ecology, evolution, & conservation of molt-migration	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
4:30 pm – 6:30 pm	Publication Advisory Committee ^c	Agave I
5:00 pm – 7:00 pm	LGBTQA social 🍷	Epazote Kitchen Terrace
5:30 pm – 7:00 pm	Dinner	
6:00 pm – 7:30 pm	Sym: Forty years of finding birds in southeastern Arizona	Presidio III-V
6:00 pm – 7:30 pm	Roundtable: Rusty Blackbird research	Joshua Tree I
7:30 pm – 9:30 pm	Poster reception 🍷	Turquoise Ballroom



FRIDAY, APRIL 13, 2018

TIME	EVENT	LOCATION
6:00 am - 7:30 am	Early morning bird walk ^o	Registration Desk
8:00 am - 5:00 pm	Registration & Information	Turquoise Foyer
8:00 am - 10:20 am	Silent auction (bidding ends at 10:20 am)	Turquoise I
8:00 am - 10:00 am	Plenaries (Kristen Covino, Scott Taylor), 2019 meeting, awards	Presidio III-V
10:00 am - 10:30 am	Coffee break 	Presidio/Turquoise Foyers
10:30 am - 12:00 pm	Concurrent sessions General lightning session Endocrinology & physiology Urban ecology Behavior Evolution Sym: Advances in citizen science for conservation & management Sym: Avian reproduction & the thermal environment	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
12:00 pm - 1:30 pm	Lunch	
12:00 pm - 1:30 pm	Birds of North America Liaison Committee ^c	Agave I
12:00 pm - 1:30 pm	Editorial lunch: Condor ^c 	Joshua Tree II
12:00 pm - 1:30 pm	Editorial lunch: Auk ^c 	Joshua Tree I
12:00 pm - 1:30 pm	Meet the Research Awards committee 	Agave II-III
1:30 pm - 3:00 pm	Concurrent sessions 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	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
3:00 pm - 3:30 pm	Coffee break	Presidio/Turquoise Foyers
3:30 pm - 5:00 pm	Concurrent sessions 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	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
5:00 pm - 7:00 pm	Publication staff meeting ^c	Agave I
5:30 pm - 7:00 pm	Dinner	
5:30 pm - 7:30 pm	Student-professional mixer ^R  	Last Territory Ranch
6:00 pm - 8:00 pm	Student presentation awards committee ^c	Presidio I
7:00 pm - 8:30 pm	Roundtable: First meeting of R oRnithologists	Joshua Tree
8:00 pm - 10:00 pm	Quiz bowl  	Presidio III-V

Agenda



SATURDAY, APRIL 14, 2018

TIME	EVENT	LOCATION
6:00 am - 7:30 am	Early morning bird walk ^o	Registration Desk
8:00 am – 5:00 pm	Registration & information	Turquoise Foyer
8:15 am – 10:00 am	Plenary (Ian MacGregor-Fors) & student presentation awards	Presidio III-V
10:00 am – 10:30 am	Coffee break ☕	Presidio/Turquoise Foyers
10:30 am – 12:00 pm	AOS Website Focus Group	Agave I
10:30 am – 12:00 pm	Concurrent sessions Abundance, occupancy, trends Habitat change & relationships Urban ecology Evolutionary ecology Climate Sym: Desert birds in peril: research & conservation challenges Sym: Migration & stopover	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
12:00 pm – 1:30 pm	Lunch	
12:00 pm – 1:30 pm	Golden Auks luncheon ^R ✂	Joshua Tree
12:00 pm – 1:30 pm	AOS Communications & Membership Committee	Agave I
12:15 pm – 1:15 pm	National Science Foundation information session	Presidio I
1:30 pm – 3:00 pm	Concurrent sessions 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	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
3:00 pm – 3:30 pm	Coffee break ☕	Presidio/Turquoise Foyers
3:30 pm – 5:00 pm	Concurrent sessions 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	Agave II-III Coronado I Coronado II Presidio I Presidio II Presidio III-IV Presidio V
5:30 pm – 7:00 pm	Dinner	
5:30 pm – 8:00 pm	Closing reception and banquet ^R ✂ 🍷	Turquoise I-II
8:00 pm - 10:00 pm	Bird Jam ^{RO} 🍷 🍷	Turquoise III

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Keynote Address: Dr. H. Ronald Pulliam

Title: On the diversity, coexistence and conservation of grassland sparrows



Tuesday evening, 10 April 2018 at 7 pm, Presidio Ballroom



Dr. Pulliam's talk will weave the AOS 2018 meeting theme together with perspectives from ecological theory, empirical field studies, and the pressing conservation issues of our time.

Biography: Ronald Pulliam is Regents Professor Emeritus in the Odum School of Ecology at the University of Georgia. His former positions include President of the Ecological Society of America, Director of the National Biological Service, Science Adviser to the Secretary of Interior, and Director of the Institute of Ecology. His scientific writings have been widely cited, totalling > 20,000 times, including more than 5,000 citations of his book on "Sources, sinks, and population regulation". He has served on numerous boards and commissions, as an adviser to several major philanthropic foundations, and as chairman of the board of NatureServe. He currently lives in Patagonia, Arizona where he helped found Borderlands Restoration, LLC and Wildlife Corridors, LLC. Borderlands Restoration is committed to connecting wildlife,

land, and people in the Arizona/Sonora borderlands through the restoration of functional landscape processes while forging and maintaining bonds between people and the natural world.



Don't Miss The 2018 Plenary Talks!



Please join us each morning in Presidio III-V to hear the five stellar plenary speakers describe their integrative research related to our meeting theme: Celebrating Connections: Birds Across Borders. This theme is multi-faceted and bridges all the major science that unites us as ornithologists from evolution of species' ranges and hybrid zones, to dispersal and migration ecology, to conservation issues that span geographic areas from urban to rural, from temperate to tropical. And please stay for the awards presentations after the talks!

Wednesday plenary at 8 am in Presidio Ballroom: Dr. Jeff Brawn, University of Illinois



Title: Prospects for tropical birds and a changing world

Biography: Jeff Brawn is Professor and Head of the Department of Natural Resources and Environmental Sciences at the University of Illinois. Jeff received a B.S. in Wildlife Biology from the University of Massachusetts at Amherst (1975), an M.S. in Wildlife from the University of Missouri (1979), and a Ph.D. in Zoology-Ecology from Northern Arizona University (1985). Jeff's graduate research focused on the population biology of cavity nesting birds. After two postdoctoral positions with the Smithsonian Tropical Research Institute (STRI), he joined the scientific staff of the Illinois Natural History Survey and later the faculty of the University of Illinois. Jeff is an elected Fellow of the AOS and the American Association for the Advancement of Science. He has served on numerous service committees and editorial boards of ornithological societies and was Treasurer of the AOU from 2004-2008. He has conducted research in the Midwestern U.S. habitat fragmentation and the local diversity of birds, prescribed fire and avian populations, the role of birds in the transmission dynamics of West Nile Virus, and the effects of

agricultural practices on the sustainability of bird populations. Dr. Brawn has worked in the Republic of Panama for over 30 years where – in collaboration with STRI, grad students and colleagues – he has studied the demography, life histories, and behavior of tropical forest birds. Recently, Jeff has explored relationships among expected climate change, especially altered precipitation regimes, land use practices, and the viability of tropical bird populations.



Thursday plenary at 8 am in Presidio Ballroom: Dr. Rebecca Kimball, University of Florida

Title: The avian tree of life: crossing the borders among disciplines



Biography:

Rebecca Kimball is a Professor in the Department of Biology at the University of Florida. She received her B.A. in Biology from Dartmouth College (1985), and Ph.D. from the University of New Mexico (1995). She conducted postdoctoral research at the University of New Mexico and Ohio State University before joining the faculty at the University of Florida in 2001, where she also is affiliated with the School of Natural Resources and the Environment, the Genetics Institute, the Center for Smell and Taste, and the Florida Museum of Natural History. Rebecca is an evolutionary biologist with a

research program that incorporates both field studies and molecular analyses to examine evolutionary patterns and processes. Many of her current projects are focused on estimating avian phylogenies both within specific groups as well as across all birds, where her primary interest is in understanding trait evolution. She also has ongoing projects in behavioral ecology and population/conservation genetics in several different taxa, as well as projects that link changes in the genome with changes at the organismal level in an evolutionary framework to elucidate proximate and ultimate causes of change. In addition to her research, Rebecca has contributed strongly to the broader discipline of ornithology: She is a Fellow and currently serves as Treasurer of the American Ornithological Society, serves as has served on Council and committees for AOS and other societies, and is an editor at Ibis.



Friday plenaries at 8 am in Presidio Ballroom: Early Career Awardee Dr. Kristen Covino, Canisius College, 2018 James G. Cooper Award



Title: A sex-specific schedule for breeding development in migratory songbirds

Biography: Dr. Kristen Covino is currently a Post-doctoral Fellow at Canisius College and will be starting as an Assistant Professor at Loyola Marymount University in August 2018. Kristen's research encompasses many scales of inquiry, ranging from avian physiology to continental-scale migratory movements, and seeks to understand the movement biology and whole life-cycle biology of migratory birds. Her interest in birds started as an undergraduate when she took Ornithology and conducted research with Sara Morris and continued during her early graduate work with Rebecca Holberton. For her Ph.D., Kristen was a member of the Migratory Bird Research Group where she worked with Frank Moore at the University of Southern Mississippi. Her dissertation work investigated breeding development in several inter-continental migrants en route to their breeding grounds and demonstrates that the phenology of physiological breeding development in these species is sex-specific. Kristen is also interested in addressing issues

focused on making ornithology more accessible to women and the LGBT community as well as promoting undergraduate participation in research. She recently received a Diversity and Inclusion Award from AOS and in 2017 she became an elective member of the AOS.

Online Schedule Be sure to use our online scheduling tool at <http://aos2018annualconference.sched.com> to make a personalized agenda, search by author or topic, read daily announcements, and more.



Friday plenaries at 8 am in Presidio Ballroom: Early Career Awardee Dr. Scott A. Taylor, University of Colorado Boulder, 2018 Ned K. Johnson Award

Title: A bird's eye view of the origin and maintenance of biodiversity



Biography: Dr. Scott A. Taylor joined the Department of Ecology and Evolutionary Biology at the University of Colorado at Boulder in August 2016. His lab applies genomics and field experiments to natural hybrid zones and closely related taxa to investigate reproductive isolation—the hallmark of speciation—and the genetic bases of traits relevant to speciation. This research also provides insight into the impacts of anthropogenic change, including climate change, on species distributions, interactions, and evolution. Scott was previously a Fuller and Banting Postdoctoral Fellow at the Cornell Lab of Ornithology, where he worked with Dr. Irby Lovette using genomic tools to understand hybridization and species boundaries in chickadees, warblers, and redpoll finches. He obtained his Ph.D. from Queen's University in Kingston, Ontario, Canada, where he worked with Dr. Vicki Friesen and studied the ecology and evolution of South American seabirds, including the charismatic Blue-footed Booby, the Peruvian Booby,

and the Peruvian Pelican. Dr. Taylor's publications detail his diverse research interests on topics ranging from evolutionary genetics to foraging ecology. Born and raised on the coast of Lake Huron in southwestern Ontario, Dr. Taylor's passion for natural history extends as far back as he can remember. He has worked extensively as a naturalist, leading groups of all ages on excursions exploring the diversity of the globe from Antarctica to Ascension Island, the Galápagos Islands, and the high Arctic. Dr. Taylor is an enthusiastic and dedicated scientist and educator, is committed to supporting diversity and inclusion in STEM, and is a passionate natural historian at heart.



Saturday Plenary at 8:15 am in Presidio Ballroom: Dr. Ian MacGregor-Fors, Institute of Ecology, Veracruz, Mexico

Title: Living in the Anthropocene: Birds facing a changing world



Biography: Ian MacGregor-Fors is a researcher at the Institute of Ecology (INECOL) in Mexico. His passion for birds since adolescence lead him to study Biology at the University of Guadalajara (Mexico), receiving a M.Sc. (2008) and a Ph.D. (2010), both with honors, from the National Autonomous University of Mexico (UNAM). He has focused his research on untangling the response of wildlife communities to anthropogenic ecological disturbances with an important focus on birds, as well as the role of invasive birds as avian diversity drivers. As the author/co-author of more than 65 peer-reviewed publications and diverse popular science pieces, Ian is highly committed to filling the knowledge gap regarding the ecology of Neotropical birds, as well as other wildlife groups, in human-modified systems. Ian is currently on the Advisory Board of the International Network Urban Biodiversity & Design (URBIO), seeking to promote the implementation of the United Nations 'Convention on Biological Diversity' (CBD) in urban areas. He was Associate Editor for Landscape and Urban Planning from 2014 to 2016 (where he is currently Editorial Advisor), and is presently Associate Editor for the Journal of Urban Ecology, Urban Naturalist, and Huitzil, the Mexican Journal of Ornithology. Ian is confident that the use of evidence-based knowledge from the physical, ecological, and social components of human-modified systems can result in biodiverse and healthier landscapes.

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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, Blunar 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	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, 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, 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, Doak DF</i>	Plover paparazzi: using nest video cameras to estimate survival and population size of breeding Piping Plovers <i>Hunt KL, Gibson D, Cadlin 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, Nittle 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, Karabian J</i>	Definition of arid-Zone Carduelini Finches by DNA Phylogeography: American and Asian G. Carpodacus is Taxonomically Split <i>Arnaiz-Villena A, Ruiz-del Valle V, Palacio-Gruber J, Campos C, Munitz 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>Eiterson 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 acids 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, Dammer 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, Oteyza JC, Dammer 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 suboscine birds (Pachyrhamphus) <i>Masher LI, 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>Omland K, Johnson S, Stanley R, Strudts C, Sillett T, Shelley C</i>	*Elucidating Black-capped Vireo movement ecology in central Texas using genetics and modeling <i>Hausser SS, Walker L, Leberg P</i>	Picky eaters: An undergraduate laboratory exercise <i>Bowlins 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

*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	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, Pandit MM, Bouzat JL</i>	Conservation of Henslow's Sparrow in the Chicago Metropolitan Area: An Area With Surprisingly Good Long-term Potential <i>Herkert JR</i>	Biological control of tamarisk reduces bird abundance, density and richness: Implications for southwestern riparian habitat and management <i>Mahoney SM, Johnson MI, 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>Odion 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, Stodola K, Zaya DN, Merrill L, Benson TJ</i>	Twenty-five Year Impact of the Northwest Forest Plan on Forest Composition and Bird Populations <i>Betts MG, Phalan BT, Northrup JM, Yang, Robert Deal, Josée Rousseau, Thomas A Spies Z, Deal R, Rousseau J</i>	Barriers to gene flow and speciation in the yellow-rumped warbler <i>Pierce DK, Toews 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>Rutt CL, Midway SR, Jirinec V, Stouffer PC</i>	What's good for the woodcock is good for the warbler? Productivity of two young-forest flagship species on a shared landscape <i>Stechby HM, Kramer GR, Peterson SM, Daly KO, Andersen DE</i>	Domestic pigeon's checkered past: a link between wing color patterning, introgression, and hereditary blindness <i>Vickrey AI, Bruders R, Kronenberg Z, Osborne EJ, Yandell M, Shapiro M</i>	*Female competition facilitates hybridization in sex-role reversed juncos <i>Lipshutz SE, Derryberry EP</i>	Uneven missing data skews phylogenomic relationships within the lories and lorikeets <i>Smith BT, Mauck WM, Benz BW, Andersen MJ</i>	Managing the CAtastrophe: exploring the options for reducing the numbers of free-roaming felines <i>Cherkasky 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>Hannah AM, Grveles K, Warner S, Lopez D, Ribic C, Pidgen 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 RJ, 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 insertion/deletion mutations (indels) <i>Houde P, Braun EL, Mir Arabbaygi S</i>	*Genome-wide patterns of divergence in Passerina and Cyanocitta 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>Gramza 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>Saah VA, Latif 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>Bramfield RT, Oswald JA, Harvey MG, Rensen RC, Foxworth DU, Dittmann DL</i>	Integrative taxonomy of the northern White-browed Shortwing Brachypteryx montana taxa supports recognition of three species <i>Rasmussen PC, Alstrom P, Carwei X, Gelang M, Yang L, Cheen G</i>	Legal considerations for addressing feral and free-ranging cats at the State level <i>Kisonak LS</i>

COFFEE BREAK

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 LJ</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, Saffran 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 LJ</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 LJ</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

Thursday, 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	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>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, Sroczek L, Maddox D, Raheerilao MJ, 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, 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, Karpanthy SM, Fraser JD</i>	Fifty years and still eating the same: a tale of refueling performance from two long-term banding stations <i>Craty AL, DeGroote LW, Shieldcastle MC, Sreby 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, 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 SJ, Duchardt CJ, Dwyer AM, Jorgensen D, Marra PP</i>	*Genomic approaches to understanding speciation in Jamaican-endemic streamtail 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, McImmerney 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, Vonnhof MJ</i>	*Evaluating the relationships between eastern hemlock decline and Louisiana waterthrush demographics and behavior in Tennessee <i>Bryant LC, Beachy TA, Boyes 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, Outley G, Voelker G</i>	
LUNCH BREAK							

LUNCH BREAK

Thursday, 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	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 Island 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, Revulakaba-Ortega I, Martinez JH, Taulare 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 (Melospiza 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>Chadoun 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, Pavlacky DC, George TL</i>	Diversity of Strategies of Remigrant 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 ustulata) 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 A, Perotto-Baldovino HL, Wester DB, Lombardi JV</i>	*Stress-induced maternal effect links local competitive environment with large-scale changes in population demography <i>Ponticary AL, Duckworth RA</i>	Migration through an unifying 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>Pavlacky Jr DC, Green AW, Barnuszwige 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 (Grus canadensis) in the vicinity of wind turbines <i>Kirsch EM, Wellik M, Diehl R, Suarez M, Sojda R, Woyczek 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, Bay 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, Sibiya 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>	Grazing management for conserving grassland birds: the need to consider local environmental context and species philopatry across landscapes <i>Davis KP, Augustine DJ, Aldridge CL, Skagen SK</i>	Variation in altitudinal molt migration in western birds <i>Wolfe JD, Wiegand 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, Sillert S, Morrison SA</i>	*Are solar facilities in the southwestern U.S. a threat to Yuma Ridgway's rails? <i>Harriy EJ, Conway CJ</i>	*Context-dependent influences of vegetation structure on nest survival in the shortgrass steppe <i>Carver AR, Augustine DJ, Skagen SK, Wunder MB</i>	Drivers of molt-migration in intra-tropical migratory birds <i>Jahn AE, Guaraldo AC, MacPherson M, Ryder TB</i>	

COFFEE BREAK

Thursday, 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	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>Hardt BM, Ardia DR, Bashaw MJ, Rivers JW</i>	*Breeding season carry-over effects of forest fragmentation on Wood Thrush (<i>Hyllocichla 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-Espinoza 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>Silllett 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, 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, Cheath 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, Hencham 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, Oyler-McCance SJ</i>	The geographic footprint of California solar energy effects on bird populations <i>Vander Zanden HB, Nelson DM, Conkling TJ, Katzner HE</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, Otterstrom 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 Malarus 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, Gebrevelassie FA, Cruz-McDonnell K, Griebel R</i>	Student poster presenter introductions and closing remarks	Effects of Drought on Brood Parasite Body Condition, Folicle 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, Seeholzer 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 nesting 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 & 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 Spence AR, Tingley MW *Cats are always scary: corticosterone response to live predator presentation in captive house sparrows Kucera AC, Heidinger BJ Testosterone in a sex-role reversed and polyandrous bird: Female aggression, ornamentation, and reproductive success Blizard MA	*Ectoparasitism of the Wood Thrush (<i>Hylocichla ustulata</i>) in Suburban Forests Straley KM, Warren P, King D The role of weather in bird-building collisions in a downtown area of a major U.S. city Lao S, Anderson AW, Blair RB, Eckles JW, Turner RI, Loss SR Conservation in the Classroom: Integrating Wild Birds into the 6th and 7th Grade Curriculum Ortiz JL, Conkey AA, Brennan LA, Fedynich L, Green M	*Occurrence and variability of tactile interactions between wild American crows and dead conspecifics Swift KN, Marzluff J *Social network position correlates with exploratory behavior in Carolina Chickadees (<i>Parus carolinensis</i>) Garlingler RD, Polekoff SE, Curry RL Cooperative breeding in the variegated fairy-wren: is promiscuity an alternative strategy in the absence of help at the nest? Johnson AE	Adaptations for relative larger brains in hummingbird skulls Ocampo D, Barantes G, Uy JN Hemoglobin evolution across elevational transitions in the phylogeny of the diglossine tanagers Witt CC, Beckman EJ, Chavez AC, McCullough JM, Andersen MJ, Storz JF *Color evolution in the lorries and lorikeets Mervin JT, Seeholzer GF, Smith BT Levels of inbreeding driven by limited dispersal in Florida Scrub-Jays Diamond J, Bowman R, Fitzpatrick JW, Chen N	Integrating citizen science and structured data to inform conservation and management Michel NL, Meehan TD, Wilsey CB, Langham GM New initiatives at cooperative bird banding stations aid the conservation of migratory species Albert S, Saracco J, Ruegg K Implications of climate change for wetland-associated birds in the U.S. interior: application of citizen science data Skagen SK, Steen VA, Soffer HR, Reese GC The end of the road: Challenges and solutions for avian abundance modeling in the remote North American boreal region Sralberg D, Sóltyms P, Barker NK, Bayne E, Schmiegelow FK, Song S	Avian reproduction in the heat and limits on activity Wolf BO, Smith EK *Latitudinal variation in nest microclimate explains variation in hatching success, nestling growth, and nestling survival in burrowing owls Lundblad CG, Conway CJ How an Interplay between Ovulation Order, Ambient Temperature, and Incubation Affects Offspring Fitness Sackman KW Incubation temperature alters sex ratios of avian offspring DuRant SE, Hopkins WA Temperature & life history: effect of temperature manipulation during incubation on immunity and thermoregulatory performance Ardia DR
10:45							
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 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 *Hruska JP et al. Aldidae Phylogenomics Correll MD et al. Costal plant mapping for a marsh passerine Andersen MJ et al. UCEs resolve honeyeater relationships						
11:15							
11:30							
11:45							

LUNCH BREAK

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 HI, 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, Simmons KT, Eichholz 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>	*Crazing 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 Scaled and Gambel's Quail Populations in Response to Weather in the Chihuahuan Desert <i>Leipold EA, Carleton SA, Gould WR</i> The Elephant Bird in the Room: Violations of the Closure Assumption and the Meaning of Occupancy <i>Peterson SM, Beissinger SR</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 (<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	Landbird population trends in protected areas of the North Coast and Cascades Network <i>Ray C, Saracco JE, 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 (<i>Eremophila alpestris</i>) 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>	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	Estimating Population Trends with Dynamic N-mixture Models: When do Repeated Visits Count? <i>Monroe AP, Wann GT, Aldridge CL, Coates PS, Ricca MA</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, Nakatani 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 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		Origin and evolution of the extinct San Benedicto Island Rock Wren (<i>Salpinctes obsoletus</i> exsul) revealed by phylogeographic analysis of genome-wide variation <i>Spellman GM, Nahar 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>Zam 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 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>DeSautz 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, Zackerberg B, Yin H, Cruz J, Rudeloff 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>Arwood 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, Kaufman 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 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, Frett B, McCarvey 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, Verschuyt J, Wiens J</i>	Influence of avian life history strategies on building collision risk at a continental scale <i>Elmore JA, Hager SB, Cosentino BI, 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, Lancoit 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, 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>Valente JJ, Ryder TB, Rushing CS, Betts MG, Fischer RA, Sillert TS</i>	Age-dependent habitat selection by Black-backed Woodpeckers in post-fire forests <i>Stillman AN, Siegel RB, Wilkerson RL, Johnson JM, Tinglev MW</i>	Surviving in the city: higher apparent survival for urban birds but worse condition on noisy territories <i>Phillips JN, Genry 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-Gámez 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, Sillert 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>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 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, Newman A, Sutton A, Freeman N</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 HJ, 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>Ruvalcaba-Ortega I, Canales-del-Castillo R, González-Rojas JI, 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

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, DeGroot LW</i>	Fifty Shades of Brown: evolution of plumage brightness in a large clade of Neotropical passerines <i>Marcondes RS, Brumfield 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>	Challenges to Coordinated Monitoring in the Face of Gulf of Mexico Restoration <i>Wilson RR, Tirpak J, Steyer G</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, Kirchner JK</i>	Trends in carotenoid-consistent coloration across non-passerine birds <i>Davis SN, Clarke JA</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, Toma C, Bulluck L</i>	Patterns of Borrelia burgdorferi prevalence in Northern Illinois birds <i>Marshall JS, Hanson C, Becknam 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, Haby T, Miller KH, Carr NB, Bowen ZH</i>
14:30	Intraspecific Niche Breadth, but Not Position, is Constant across a Species Range <i>Ruskin KJ, Hodgman TP, Borowski 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, Jaencke 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>	Putting the Right Habitat, in the Right Places, at the Right Time: The Integrated Waterbird Management and Monitoring Initiative <i>Hegland PJ, Loges B, Newman J</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, Viverette C, Tonra C</i>	Divergent selection and drift shape the genomes of two avian sister species spanning a saline-freshwater ecotone <i>Clucas GV, Walsh J, MacManes M, Kovach A</i>	Gulf of Mexico Marine Assessment Program for Protected Species (GoMMAPPS): 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, Ravalcaba-Ortega I, Peña-Peniche A, Panjabi AO, Martínez-Guerrero J, Canales-del-Castillo R</i>		

COFFEE BREAK

Saturday, Late Afternoon Session

*indicates student presenters eligible for AOS presentation award

Room Session	Agave II-III	Coronado I	Coronado II	Presidio I	Presidio II	Presidio III-IV	Presidio V
	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 world's 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, 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, Shirzuka 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, Gutman 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, Burrow WC, Wilson BC</i>	DISCUSSION	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>	A N15 isotope tracer experimentally demonstrates that nonnative plants limit energy flow to higher order consumers like birds <i>Narango DL, Carlo TA, Tallamy DW, Marra PP</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>Warr 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>			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		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
16:45					DISCUSSION	DISCUSSION	DISCUSSION

Wednesday ePoster Schedule

Kiosk 1

- 7:00 **Pruett CL, Li T, Winker K** Population genetics of Alaska Common Raven (e1)
 7:30 **Khan BN, Zulfiqar A** Avifauna abundance, population trends and threats at Mangla Wetland (e2)
 8:00 **Bolaños-García R, Rodríguez-Estrella R** Breeding biology and ectoparasites of Great Horned Owls in a desert fragmented landscape of the Baja California peninsula (e3)
 8:30 **Shustack DP** Secondary “market” for bird feathers: what happens to feathers after birds shed them? (e4)

Kiosk 2

- 7:00 **Morrison ES, Badyaev AV** Structure versus time in the evolutionary diversification of avian carotenoid metabolic networks (e5)
 7:30 **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 (e6)
 8:00 **Holmes JM, Moyle RG** Preliminary molecular phylogeny of the swifts (Aves: Apodidae) (e7)
 8:30 **Latas PJ** Pneumoconiosis in a hurricane-stranded Least Storm-petrel (e8)

Kiosk 3

- 7:00 **Henderson KM, Kremer P, Garrod H, Curry RL** Niche modeling of todies (*Todys* spp.) in the Greater Antilles (e9)
 7:30 **Buxton VL, Schoch N, Ozard J, Rosenblatt D, Evers DC, Glennon M, et al.** Conservation through the lives of Adirondack loons: 20 Years of collaborative research and outreach (e10)
 8:00 **Saranathan V, Goh AH** On the fruit color preferences of the Southern Cassowary (e11)
 8:30 **DeRubeis AL, Smith KG** Make new fields but keep the old: nesting success of Dickcissel in Arkansas remnant and restored tallgrass prairies (e12)

Thursday ePoster Schedule

Kiosk 1

- 7:30 **Steele B, Johnston J** American Crows roost near development and roads, but in different places each night during the winter of 2016-17 (e13)
 8:00 **Studey KA** Arizona lovebird habitat selection inquiry project (e14)
 8:30 **Smith-Vidaurre GS, Wright T** Mapping patterns of vocal variation in the native range of an invasive parrot (e15)
 9:00 **Kondrat-Smith CL, Lowery SF** Movement patterns, survivorship, and home range size of LeConte's Thrasher (*Toxostoma lecontei*) (e16)

Kiosk 2

- 7:30 **Sanchez KA, Benedict L, Cicero C, Fialko K** Spotted Towhee (*Pipilo maculatus*) song characteristics at two time points across an urban gradient (e17)
 8:00 **Berg KS** The vocal-flight-respiratory axis: origins of avian vocal learning? (e18)
 8:30 **Ruskin KJ, East AM, Cicero JJ, Strong AL** How have ecosystem services such as bird diversity changed since development of the Schoodic Woods campground in Acadia National Park? (e19)
 9:00 **Awan MA, Khan BN** Effectiveness of birds' protection laws in Pakistan (e20)

Kiosk 3

- 7:30 **Frixione MG, Rodríguez-Estrella R** Segregation vs overlapping diet of two small raptors in a fragmented desert in Baja California Peninsula, Mexico (e21)
 8:00 **Stouffer PC, Rutt CL, Jirinec V, Cohn-Haft M** Roads, not local landscape change, drive new avian colonists to fragmented Amazonian rainforest (e22)
 8:30 **Wethington SM, Monroe KA, Jantz P, Moran AJ** Influence of environmental factors on vital rates of Rufous Hummingbirds breeding in British Columbia (e23)
 9:00 **Latif QS, Saab VA, Haas JR, Dudley JG** Fire-Bird: GIS tools for applying habitat suitability models to inform forest management (e24)



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

1.6 *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

1.10 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-Sigüenza 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, Muñoz E

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

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

1.30 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

1.43 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 HF, 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

1.50 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

1.61 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, Heath SK, House D

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, Sólymos P, Pankratz RF, Bayne EM, Annich N

Distribution and population size estimates for landbirds breeding in Edzhze; a candidate National Wildlife Area in the Northwest Territories, Canada

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

1.78 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



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

* indicates student presenters eligible for AOS presentation award

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, Vonhof MJ, Gill SA

Do Blue-winged and Golden-winged Warblers adjust their songs in response to military noise?

2.6 Janik AE, Vonhof 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

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2.11 Fischer SE, Granillo K, Stevens HC, Nemes CE, Streby HM

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2.12 Pagel R, West EH, Streby HM

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2.13 Horton CA, Adrean LJ, Nelson SK, Roby DD, Betts MG, Rivers JW

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2.24 LaBarbera K

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**We look forward to seeing you
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