

COS • AOU • SCO
2010
S A N D I E G O



MEETING PROGRAM

WELCOME TO SAN DIEGO!

On behalf of the many people who have been working for over a year and a half to put this meeting together, we cordially welcome members and guests of the Cooper Ornithological Society, the American Ornithologists' Union, and the Society of Canadian Ornithologists to the COS/AOU/SCO 2010 Joint Meeting. The 2010 meeting in San Diego marks the 80th annual meeting of the Cooper Society, the 128th stated meeting of the American Ornithologists' Union, and the 28th annual meeting of the Society of Canadian Ornithologists/Société des Ornithologistes du Canada.

Our goal in planning this meeting has been to provide an intellectually stimulating atmosphere for the exchange of scientific ideas concerning avian research and conservation in a relaxing environment. We hope that you will have the opportunity to take advantage of our local culture and cuisine, and also to experience the wide biological diversity in our county that stretches from the coast through the mountains to the desert and beyond. Please don't hesitate to contact one of us if any questions arise. And be sure to check the meeting web site daily for program updates, such as cancelled papers: www.birdmeetings.org/cosaousco2010/. Thanks for coming, and enjoy your time in San Diego!

—COS/AOU/SCO 2010 Local Committee

The COS/AOU/SCO 2010 Joint Meeting could not have happened without the help and support of the United States Geological Society, the University of California-Riverside, and San Diego State University. Thank you!



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CONFERENCE ORGANIZERS

LOCAL COMMITTEE CHAIRS

Barbara Kus, USGS Western Ecological Research Center

Kevin Burns, San Diego State University

LOCAL COMMITTEE

Eric Kershner, US Fish and Wildlife Service

Philip Unitt, Department of Birds and Mammals, San Diego Natural History Museum

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Kris Preston, Nature Reserve of Orange County

Amber Oneal, BonTerra Consulting

Bill Kristan, California State University - San Marcos

Cindy Shannon, Mt. San Antonio College

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Susan Skagen, USGS Fort Collins Science Center

Rebecca Kimball, University of Florida

Ken Otter, University of Northern British Columbia

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Wendy Lenhart

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ALL-OUT OSTRICH UPROAR

Branda Cook, University of San Diego

John Sauer, USGS Patuxent Wildlife Research Center

AMERICAN ORNITHOLOGISTS' UNION REPRESENTATIVE

Kevin Burns, San Diego State University

SOCIETY OF CANADIAN ORNITHOLOGISTS REPRESENTATIVE

Erica Nol, Trent University

LOGO DESIGN

David Stump

WEB-SITE MANAGEMENT

Chris Schneider, The Schneider Group

CONFERENCE MANAGEMENT COMPANY

The Schneider Group, Waco, TX

MEETING SPONSORS

We are deeply grateful to the following sponsors, whose generosity enhanced the meeting in ways that we could not have attained otherwise.

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Contributions of \geq \$2500

- Birds&Beans LLC
- San Diego Natural History Museum

GOLD LEVEL SPONSORS

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Contributions of $<$ \$1000

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- San Diego Zoo Wild Animal Park
- Sea World San Diego
- Wiley Blackwell

SPECIAL THANKS

Special thanks to the San Diego Zoo for providing conference attendees with discounted admission passes to the world famous San Diego Zoo.

REGISTRATION AND GENERAL INFORMATION

Updated meeting information will be posted DAILY at www.birdmeetings.org/cosaousco2010

REGISTRATION/INFORMATION DESK

Located in the Golden Ballroom foyer at the Town & Country hotel.

MESSAGE/JOB BOARD

Will be maintained next to the Registration Desk throughout the meeting.

PARKING

Meeting participants will be afforded a discounted parking fee of \$8 per day at the hotel.

INTERNET, PHONE, FAX, AND COPYING

Various limited Internet access points are located throughout the hotel's common areas at no charge. In order to obtain this access, use COS as the password when logging on. Internet access will be available for participants in meeting rooms during the conference at no charge as well. Guest room access is available at a cost of \$9.95 per day.

Printer, fax, and copier services are available in the hotel business office located in the Convention Center next to the South Atlas foyer.

AUTOMATED TELLERS

There are two ATMs on the property; one between the Convention Center and the Royal Palm Ballroom, and one between the hotel lobby and the Lexington Room.

FITNESS AND SPA FACILITIES

The fitness center at the Bella Tosca Day Spa, Salon and Fitness Center is open to hotel guests. Located on the grounds of the Town & Country, Bella Tosca offers a full range of spa treatments, salon services, and state-of-the-art fitness facilities. Day use of fitness and spa facilities costs \$10-\$25.

COFFEE BREAKS

Coffee breaks for conference attendees will be held daily (Monday-Thursday) at 9:30-10:00 a.m., and 3:30-4:00. All breaks will be held in the Exhibit Hall. We are proud to be serving 100%-organic shade-grown coffee generously donated to the conference by Birds & Beans®.

CHILDCARE

The following three companies provide licensed, bonded, insured, and CPR/First Aid trained nannies/babysitters that will come to the hotel for a minimum of four hours. Rates vary and arrangements should be made directly with these child care providers. Although last-minute reservations can be accommodated, it is recommended that reservations be made in advance with the provider.

Around Town Hotel Childcare

<http://www.aroundtownchildcare.com>
10491 Pine Grove Street
San Diego, CA 92105
Ph: 619-283-2120; Fx: 800-798-6768
director@aroundtownchildcare.com

Marion's Childcare

<http://www.hotelchildcare.com>
 P.O. Box 1737
 Spring Valley, CA 91978
 Toll Free: 888-891-5029, In San Diego: 619-303-4379
amy@hotelchildcare.com

Destination Sitters LLC

<http://www.destinationsitters.com>
 La Jolla, CA 92038
 Toll Free: 888-748-5439
 858-336-1999
info@destinationsitters.com

SPECIAL NEEDS

The Town & Country has ADA sleeping rooms available, and the conference grounds and session rooms are wheelchair-accessible (please consult map included in program for locations of wheelchair accessible entrances, restrooms, and routes). For other needs, please visit the conference registration desk.

MEDICAL SERVICES AND FACILITIES

Dial "0" to notify the hotel operator of an emergency situation and security will be dispatched immediately. If it is a life threatening situation, call 911.

Scripps Mercy Hospital

4077 5th Ave.
 San Diego, CA 92103
 619-294-8111

From hotel, take Hotel Circle Drive west to I8 east to 163 south, exit Washington St. west, right on 5th Ave.; hospital is on immediate right. Travel time 3 minutes (2 miles).

Mission Valley Medical Clinic

5333 Mission Center Rd. #100
 San Diego, CA 92108
 619-295-3355
 Hours: Mon-Fri 8-5:30; Sat/Sun closed

From hotel, take Hotel Circle Drive west to I8 east, exit 163 north, take I8 east exit toward El Centro, exit on Mission Center Rd toward Auto Circle, left on Mission Center Rd; clinic is on the right behind Carl's Jr. Travel time 3 minutes (2 miles).

Urgent Care & More (ER Physicians)

3434 Midway Dr.
 San Diego, CA 92110
 619-225-6200
 Hours: 7 days a week 8 a.m. – midnight

From hotel, take Hotel Circle Drive west to I8 west,

exit 209 south toward Rosecrans St., right on Midway. Facility is on right. Travel time 5 minutes (3.3 miles).

NEAREST PHARMACY**Target**

1288 Camino del Rio North
 San Diego, CA 92108
 619-542-0025

From hotel, take Fashion Valley Drive north, right on Friar's Road to Mission Center Road; you will see Target on your right. Or take the Trolley two stops to the Mission Valley Center station. Travel time 6 minutes, (3.4 miles).

EATING ESTABLISHMENTS

Within walking distance of the Town & Country, The Fashion Valley Mall has an attractive open-air food court on its upper level with a good selection of casual restaurants and snack shops.

Order via wait staff

- 59th & Lex in Bloomingdale's
- Bing Crosby's Restaurant & Piano Bar
- Boudin Sourdough Bakery & Café
- California Pizza Kitchen
- The Cheesecake Factory
- Neiman Marcus Zodiac Restaurant
- P.F. Chang's China Bistro
- Uno Chicago Grill

Order at the counter

- Boudin Sourdough Bakery & Café
- Café Socrates
- D'Lush
- La Cucina di Pizzeria
- McDonald's
- Muscle Beach Lemonade
- Nordstrom Café
- Panda Express
- Rubio's Baja Grill
- Sarku Japan
- Starbucks
- Stone Oven Gourmet Sandwiches
- Wetzel's Pretzels

GETTING AROUND SAN DIEGO

The San Diego Trolley stops on property (Fashion Valley station) and offers easy travel around San Diego, stopping at Qualcomm Stadium, San Diego State University, Old Town, Seaport Village, Horton Plaza, the downtown Gaslamp District, the Convention

Center and the U.S./Mexico border. You may purchase an all-day pass on the trolley for \$5, which is also valid on city buses. For longer treks, Avis Rental Car is conveniently located on the Town & Country grounds.

Public transportation between the San Diego airport and the Town & Country: For an easy, inexpensive, and green alternative to renting a car, use the trolley and connecting airport bus to travel to and from the hotel. The 992 Airporter bus makes five stops at the airport; one at the commuter terminal, two at Terminal 1, and two at Terminal 2. To pick up the bus, go to the curb outside the baggage claim areas and look for the signs for the 992 Airporter. Purchase a \$5 fare that will allow you to transfer to the trolley. Take the 992 downtown to the America Plaza trolley station, and take the Blue Line trolley heading for Old Town (5 stops). At the Old Town station, all passengers disembark the Blue Line and board a Green Line trolley (you will have no choice; this is the end of the Blue Line route). Continue on the Green Line east two more stops to the Fashion Valley station. The Town & Country is immediately south of the tracks; use the stairway and ramps on the north side of the tracks to access the hotel. The 992 and trolleys run every 15 minutes, and the entire trip should take about 20-30 minutes.

ATTRACTIONS & SPECIAL EVENTS

San Diego, with its idyllic climate, rich history, and renowned biological and cultural diversity, has a wide array of outdoor and indoor activities for everyone, a small selection of which we've described below. You might be interested in taking advantage of some of these events or venues in your free time. Additional tourist information can be found at the San Diego Convention and Visitors Bureau website (<http://www.sandiego.org/nav/Visitors>).

BALBOA PARK

<http://www.balboapark.org>

Located approximately 1.5 miles south of the Town & Country, accessible by bus (Route 120). Grounds are open 24 hours a day and the Visitor's Center is open 9:30 a.m.-4:30 p.m. daily. Balboa Park is the nation's largest urban cultural park. It hosts 15 museums (many of which participate in San Diego Museum Month, see below), performing arts venues, gardens, and the world famous San Diego Zoo.

CABRILLO NATIONAL MONUMENT

<http://www.nps.gov/cabrl/index.htm>

Located at the southern tip of Point Loma, an approximately 10-mile drive (also accessible by trolley and bus with transfers), open 9:00 a.m.-5:00 p.m.

Offers spectacular views of San Diego Bay, a self-guided tour of the historic Point Loma lighthouse, and the possibility of seeing whales in migration.

GASLAMP DISTRICT

<http://www.gaslamp.org>

The place to go in downtown San Diego for dining, shopping, and nightlife. Accessible by trolley.

LA JOLLA COVE

Located approximately 9 miles northwest of the Town & Country (also accessible by trolley and bus with transfers). La Jolla Cove offers a diverse array of activities including seabird-watching, the Birch Aquarium at Scripps, seals in the Children's Pool, kayaking, and shopping.

OLD TOWN SAN DIEGO

<http://www.oldtownsandiegoguide.com>

Located approximately 2 miles west of the Town & Country, accessible by trolley. This State, City, and County park is a great place to see historic mission architecture and exhibits. There are also opportunities to shop and dine.

SAN DIEGO MUSEUM MONTH

<http://www.sandiego.org/event/Visitors/55>

During February, you can pick up a free Museum Month Pass at Macy's (at Fashion Valley Shopping Center, north of the Town & Country) to receive half-off admission at 39 San Diego county museums. Some of the participating museums include Birch Aquarium at Scripps, Maritime Museum of San Diego (including the Star of India) and USS Midway Museum, Quail Botanical Gardens, and many of the museums at Balboa Park.

SAN DIEGO ZOO

<http://www.sandiegozoo.org>

Located in Balboa Park, open 9:00 a.m.-4:00 p.m. daily. See Yun Zi, the 6-month-old panda cub and many other animal exhibits.

SEA WORLD

<http://www.seaworld.com/sandiego/>

Located approximately 3.3 miles west of the Town & Country, accessible by trolley and bus with transfers. Open 10:00 a.m.-5:00 p.m. weekdays, 10:00 a.m.-7:30 p.m. Sat. and Sun. See Shamu, marine wildlife exhibits, rides, and a variety of shows.

MEETING AT A GLANCE

TIME/DAY	FEBRUARY 6 SATURDAY	FEBRUARY 7 SUNDAY	FEBRUARY 8 MONDAY	FEBRUARY 9 TUESDAY	FEBRUARY 10 WEDNESDAY	FEBRUARY 11 THURSDAY
MORNING	OSNA Pres. Meeting	Field trips	Bird Walk	Bird Walk	Bird Walk	Bird Walk
		AOU Council Meeting	Plenary: Derrickson	Plenary: Dial	Plenary: Martin	Plenary: YPA finalists
		COS Board Meeting	AOU Awards	COS Awards	SCO Awards	Keynote: Duckworth
		SCO Council Meeting	Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	Concurrent Sessions
		Workshops				
LUNCH			Student- Mentor Lunch	SCO Business Meeting AOU Editorial Board Meeting COS Reviewing Eds. Meeting	Get to Know Your Society	OSNA Meeting
AFTERNOON	OSNA Pres. Meeting	AOU Council Meeting	Concurrent Sessions	Concurrent Sessions	Concurrent Sessions	Concurrent Sessions
	Councils arrive	COS Board Meeting				
		SCO Council Meeting				
		Workshops				
		AOU Fellows Meeting	AOU Business Meeting	COS Business Meeting	All-out Ostrich Race	
EVENING	AOU Council Meeting	AOU Fellows Dinner	Museum Night	Posters	Student-Prof. Social	Reception
	COS Board Meeting.	Opening Reception			Student Quiz Bowl	Banquet

ALL-DAY EVENT & FUNCTION SCHEDULE

MONDAY-THURSDAY

TIME	EVENT	ROOM
7:00 a.m.-5:30 p.m.	Registration	Golden Ballroom foyer
7:00 a.m.-5:00 p.m.	Presentation Room Open	Pacific Salon 7
8:00 a.m.-5:00 p.m.	Posters/Exhibits	Exhibit Hall
8:00 a.m.-5:00 p.m.	Silent Auction (open Monday-Wednesday)	Exhibit Hall
8:00 a.m.-5:00 p.m.	Photo Contest	Exhibit Hall

SATURDAY, 6 FEBRUARY

TIME	EVENT	ROOM
8:30 a.m.-5:00 p.m.	OSNA Presidents' Meeting: "Strengthening Ornithology"	Le Sommet
6:00 p.m.-9:30 p.m.	AOU Council Meeting	Windsor Rose
7:00 p.m.-10:00 p.m.	COS Board Meeting	Le Chanticleer

SUNDAY, 7 FEBRUARY

TIME	EVENT	ROOM
5:00 a.m.-7:00 p.m.	Field Trip: Salton Sea	Meet at Convention Drive
6:00 a.m.-12:00 p.m.	Field Trip: San Diego Coast	Meet at front lobby
8:00 a.m.-3:30 p.m.	AOU Council Meeting	Windsor Rose
8:00 a.m.-3:30 p.m.	COS Board Meeting	Le Chanticleer
11:00 a.m.-3:30 p.m.	SCO Council Meeting	Fairfield
12:00 p.m.-8:00 p.m.	Registration	Golden Ballroom foyer
12:00 p.m.-5:00 p.m.	Exhibitors/Poster Set-up	Exhibit Hall
12:00 p.m.-5:00 p.m.	Silent Auction Set-up	Exhibit Hall
9:00 a.m.-12:00 p.m.	Workshop: Involvement with Non-Academic Institutions	Brittany
9:00 a.m.-12:00 p.m.	Workshop: Neotropical Bird Identification	Ascot
9:00 a.m.-12:00 p.m.	Workshop: Avian First Aid (1 st session)	Garden Salon Two
9:00 a.m.-5:00 p.m.	Workshop: NORAC	Eaton
1:00 p.m.-5:00 p.m.	Workshop: Avian First Aid (2 nd session)	Garden Salon Two
1:00 p.m.-5:00 p.m.	Workshop: Avian Interactions with Powerlines	Brittany
1:00 p.m.-5:00 p.m.	Workshop: Phylogenetic Methods	Garden Salon One
1:00 p.m.-8:00 p.m.	Presentation Room Open	Pacific Salon 7
3:45 p.m.-5:30 p.m.	AOU Fellows Meeting	Hampton
5:30 p.m.-7:30 p.m.	AOU Fellows Dinner	Windsor
7:00 p.m.-10:00 p.m.	Opening Reception	Poolside or Golden Ballroom, depending on weather

MONDAY, 8 FEBRUARY SCHEDULE

TIME	EVENT	ROOM
6:00 a.m.-7:45 a.m.	Early Morning Bird Walk	Meet in Front Lobby
8:00 a.m.-9:30 a.m.	Welcome & Announcements AOU Awards Plenary: Scott Derrickson	Golden Ballroom
9:30 a.m.-10:00 a.m.	Coffee Break	Exhibit Hall
10:00 a.m.-12:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S09: Ornithological Applications • S10: Women in Ornithology: History, Current Roles, Future Opportunities and the Role of Societies in Professional Development • G02: Sexual Selection • G14: Population Ecology of Species of Concern • G15: Community Ecology • G33: Effects of Exotics on Species' Biology • G35: Effects of Wind Farms and Energy Development • G37: Landscape Scale 	Various
12:30 p.m.-2:00 p.m.	Lunch	On Your Own
12:30 p.m.-2:00 p.m.	Student-Mentor Lunch	Meet at Registration
2:00 p.m.-3:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S03: Population and Community Responses of Cavity-Nesting Birds to Natural and Anthropogenic Disturbance • S04: Assessments of Habitat Selection and Quality: Perspectives and Future Directions • G01: Behavior • G07: Mating Systems and Sex Ratios • G16: Tropical Systems • G20: Climate Impacts - Mechanisms • G21: Climate Change and Weather • G25: Life History - Clutch Size • G34: Effects of Fire and Timber Harvest • G48: Parasites and Metapopulations 	Various
3:30 p.m.-4:00 p.m.	Coffee Break	Exhibit Hall
4:00 p.m.-5:00 p.m.	Concurrent Sessions Continue	Various
5:00 p.m.-6:00 p.m.	AOU Business Meeting	Golden Ballroom
6:30 p.m.-10:00 p.m.	Museum Night	San Diego Natural History Museum

TUESDAY, 9 FEBRUARY SCHEDULE

TIME	EVENT	ROOM
6:00 a.m.-7:45 a.m.	Early Morning Bird Walk	Meet in Front Lobby
8:00 a.m.-9:30 a.m.	Welcome & Announcements COS Awards Plenary: Ken Dial	Golden Ballroom
9:30 a.m.-10:00 a.m.	Coffee Break	Exhibit Hall
10:00 a.m.-12:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S02: Tri-national Bird Conservation: Shared Strategies for a Shared North American Avifauna • S12: Avian Immunity: Resilience in the Face of Emerging Zoonoses and Climate Change • G01: Behavior (Continued) • G06: Breeding Biology and Parental Care • G10: Movements and Dispersal • G18: Molecular Ecology • G32: Urban Effects and Survival • G36: Genetic Structure • G46: Nesting Habitat 	Various
12:30 p.m.-2:00 p.m.	Lunch	On Your Own
12:30 p.m.-2:00 p.m.	AOU Editorial Board Meeting	Windsor Rose
12:30 p.m.-2:00 p.m.	COS Reviewing Editors Meeting	Clarendon
12:30 p.m.-2:00 p.m.	SCO Business Meeting	Pacific Salon 1
2:00 p.m.-3:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S01: Saving Hawaii's Birds • S05: Birds and Ecosystem Services • G06: Breeding Biology and Parental Care (Continued) • G09: Migration and Stopover Biology • G17: Urban Effects • G26: Evolution • G41: Life History - Incubation • G44: Speciation • G47: Noise and Anthropogenic Disturbance 	Various
3:30 p.m.-4:00 p.m.	Coffee Break	Exhibit Hall
4:00 p.m.-5:00 p.m.	Concurrent Sessions Continue	Various
5:30 p.m.-6:30 p.m.	COS Business Meeting	Golden Ballroom
7:00 p.m.-10:00 p.m.	Poster Reception	Exhibit Hall

WEDNESDAY, 10 FEBRUARY SCHEDULE

TIME	EVENT	ROOM
6:00 a.m.-7:45 a.m.	Early Morning Bird Walk	Meet in Front Lobby
7:00 a.m.-7:45 a.m.	Young Professional Award Breakfast	Sunset
8:00 a.m.-9:30 a.m.	Welcome & Announcements SCO Awards Plenary: Kathy Martin	Golden Ballroom
9:30 a.m.-10:00 a.m.	Coffee Break	Exhibit Hall
10:00 a.m.-12:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S08: Marine Birds: Dynamic Responses to Inter-annual to Interdecadal Climate Variability & Change in the Gulf of California & Southern California Current • S11: Yellow-billed Cuckoos: Biology and Conservation in the Western United States • G08: Brood Parasitism • G19: Conservation and Population Biology • G28: Phylogenetics and Phylogeography • G31: Ornithology • G43: Song Structure and Signalling • G50: Plumage Patterns and Variation 	Various
12:30 p.m.-2:00 p.m.	Lunch	On Your Own
1:15 p.m.-2:00 p.m.	Get to Know Your Society Meeting	Sunset
1:30 p.m.-2:30 p.m.	Yellow-billed Cuckoo Recovery Team Meeting	Windsor Rose
2:00 p.m.-3:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • G03: Song and Vocalizations • G05: Breeding Biology and Behavior • G12: Habitat Relationships • G13: Population Ecology • G23: Population Biology - Survival • G24: Population Biology • G27: Systematics and Phylogeny • G29: Pleistocene - Then and Later • G45: Molt, Migration, and Stopover 	Various
3:30 p.m.-4:00 p.m.	Coffee Break	Exhibit Hall
4:00 p.m.-5:00 p.m.	Concurrent Sessions Continue	Various
4:00 p.m.-5:30 p.m.	All-out Ostrich Up roar 5K Run	Meet at Registration
4:30 p.m.-5:30 p.m.	Student/Professional Social	Golden Ballroom
8:00 p.m.-10:00 p.m.	Student Quiz Bowl	Golden Ballroom

THURSDAY, 11 FEBRUARY SCHEDULE

TIME	EVENT	ROOM
6:00 a.m.-7:45 a.m.	Early Morning Bird Walk	Meet in Front Lobby
8:00 a.m.-9:45 a.m.	Welcome & Announcements Plenary: COS Young Professional Award Finalists Keynote: Renée Duckworth	Golden Ballroom
9:45 a.m.-10:00 a.m.	Coffee Break	Exhibit Hall
10:00 a.m.-12:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • S06: Advances in Shorebird Conservation • S07: Rusty Blackbird: Range-Wide Perspective on a Short-Distance Migrant in Decline • G22: Disease, Parasites, Immunity • G30: Biogeography • G38: Grasslands and Grazing • G40: Hormones and Immunology • G49: Physiology and Energetics 	Various
12:30 p.m.-1:30 p.m.	OSNA Meeting	Pacific Salon 6
12:30 p.m.-2:00 p.m.	Lunch	On Your Own
2:00 p.m.-3:30 p.m.	Concurrent Sessions: <ul style="list-style-type: none"> • G04: Acoustic Monitoring and Detectability • G11: Captive Breeding, Release, Monitoring, and Conservation Planning • G12: Habitat Relationships • G39: Habitat Relationships of Species of Concern • G42: Models, Methods, Landscapes 	Various
3:30 p.m.-4:00 p.m.	Coffee Break	Exhibit Hall
4:00 p.m.-5:00 p.m.	Concurrent Sessions Continue	Various
6:00 p.m.-7:00 p.m.	Reception	Golden Ballroom Foyer/ Poolside
7:00 p.m.-10:00 p.m.	Closing Banquet	Golden Ballroom

STUDENT ACTIVITIES

The combined student affairs committees of the three societies have planned several events to promote students getting to know each other, and to provide opportunities for students and professionals to interact in relaxed settings. In addition, they have organized events to raise funds supporting student travel and activities at future meetings.

STUDENT TRAVEL AWARDEES

The joint student awards committee comprised of members from all three societies reviewed 156 applications for student travel awards. Congratulations to the following award recipients:

Michael Andersen (U. Kansas)
 Dusty Arsnoe (Michigan State U.)
 Sarah Baxter (Arkansas State U.)
 Trina Bayard (U. Connecticut)
 Timothy Billo (U. Washington)
 Pauline Bloom (U. Saskatchewan)
 Kathi Borgmann (U. Arizona)
 Matthew Brooks (Louisian State U.)
 Margaret Campbell (Carleton U.)
 Brent Campos (Humboldt State U.)
 Scott Chiavacci (Arkansas State U.)
 Ioana Chiver (York U.)
 Mason Cline (U. Vermont)
 Kristina Cockle (U. British Columbia)
 Emily Cohen (U. Southern Mississippi)
 W. Andrew Cox (U. Missouri)
 Karie Decker (U. Arizona)
 Kristen Dybala (UC Davis)
 Tana Ellis (Oregon State U.)
 Quinn Emmering (Texas Tech U.)
 Philina English (Queen's U.)
 Pete Epanchin (UC Berkeley)
 Michelle Feole (U. Florida)
 Clinton Francis (U. Colorado)
 Samantha Franks (Simon Fraser U.)
 Michelle Gilbert (U. Wyoming)
 Samuel Glickman (City College New York)
 Thibault Grava (U. Northern British Columbia)
 Angélique Grava (U. Northern British Columbia)
 Mélanie Guigueno (U. Manitoba)
 Trevor Haynes (U. Alaska)
 John Hindley (U. Lethbridge)
 Torre Hovick (Iowa State U.)
 Anya Illes (U. Washington)
 Jill Jankowski (U. Florida)
 Sophie Jaquier (West Virginia U.)
 Mark Jasper (San Francisco State U.)
 Stephanie Jenkins (Oregon State U.)
 Vitek Jirinec (Humboldt State U.)
 Erik Johnson (Louisiana State U.)
 Laura Kearns (Ohio State U.)
 Janice Kelly (Texas Tech U.)
 Marisa King (Washington State U.)
 Joseph LaManna (Humboldt State U.)
 Joshua LaPergola (Villanova U.)
 Quresh Latif (UC Riverside)
 Christine Lattin (Tufts U.)
 Michael Lelevier (U. New Mexico)
 Cecilia Leumas (Louisiana State U.)
 Russell Ligon (Arizona State U.)
 Haw-Chuan Lim (Louisiana State U.)
 Mark Liu (Auburn U.)
 Teresa Lorenz (Utah State U.)
 Scott Loss (U. Manitoba)
 Jason Lusier (U. Arkansas)
 J. Dylan Maddox (U. Illinois)
 James Maley (Louisiana State U.)
 Heather Mathewson (U. Nevada)
 Nicole Michel (Tulane U.)
 Robert Miller (Boise State U.)
 Jonathan Moore (Virginia Tech U.)
 Aleya Nelson (U. Alaska)
 Joseph Niederhauser (U. Central Florida)
 Andrea Norris (U. British Columbia)
 Erin O'Brien (U. Northern British Columbia)
 Karan Odom (U. Windsor)
 Jessica Oswald (U. Florida)
 Dana Owen (Boise State U.)
 Anna Perry (College of Atlantic)
 Paulo Pulgarín-Restrepo (U. Lethbridge)
 Bryan Reiley (Arkansas State U.)
 Sonya Richmond (U. Toronto)
 Alicia Rodrian (Clemson U.)
 Alexandra Rose (U. Wyoming)
 Lindsay Serene (Cornell U.)
 Amy Shipley (Portland State U.)
 Paul Skrade (Iowa State U.)
 Brian Smith (U. Nevada)
 Jaclyn Smolinsky (U. Southern Mississippi)
 Helen Sofaer (Colorado State U.)
 Sonya Steckler (U. Arizona)
 Erin Strasser (Boise State U.)
 Flavio Sutti (U. Vermont)
 Audrey Taylor (U. Alaska)
 Morgan Tingley (UC Berkeley)
 Judith Toms (U. Missouri)
 Angela Tringali (U. Central Florida)
 Thomas Unfried (U. Washington)
 Judit Ungvari-Martin (U. Florida)
 Ursula Valdez (U. Washington)
 Caroline Van Hemert (U. Alaska)
 Marlene Wagner (Humboldt State U.)
 Jennifer Walsh (U. New Hampshire)

Jennifer Wang (UC Berkeley)
 Douglas Whalen (U. New Mexico)
 Sean Williams (Ohio Wesleyan U.)
 Ellen Wisner (Syracuse U.)
 Stefan Woltmann (Tulane U.)
 Stephanie Wright (Villanova U.)
 Jongmin Yoon (Colorado State U.)

POST-DOCTORAL TRAVEL AWARD RECIPIENTS:

Raoul Boughton (Archbold Biological Station)
 Matt Carling (Cornell U.)
 Sharon Coe (U. Arizona/USFS)
 Liliana D'Alba (U. Akron)
 Mark Drever (U. British Columbia)
 Frank Hailer (Smithsonian Institution)
 James Rivers (Oregon State U.)

STUDENT-MENTOR LUNCH

The Student-Mentor Lunch is designed to partner students with established ornithologists in an effort to build camaraderie among people working in the same field, help students learn keys to success, and provide students with a contact person with whom to confer throughout the meeting. Student-mentor partnerships were formed prior the meeting to allow for early relationship development. Participants in the lunch will meet Monday, 8 February at 12:30 at the Registration Desk and then walk together to a local restaurant.

STUDENT-PROFESSIONAL ORNITHOLOGIST SOCIAL

This social event will provide an informal setting for students and professional ornithologists to meet and discuss common research interests. Professionals will be seated at tables organized by their area of study. This will give the students the opportunity to select tables and sit with professionals who share their interests. A variety of different research areas will be represented including Avian Community/Landscape Ecology, Population Ecology/Demography, Avian Physiology/Morphology, Systematics/Evolution, Migration/Orientation, Breeding Biology, Conservation, Behavior, and Genetics. This event will take place on Wednesday, 10 February at 6:30 p.m.-8:00 p.m. in the Golden Ballroom, and is limited to participants who have signed up in advance. A light dinner will be served, and a cash bar will be available.

QUIZ BOWL

This Jeopardy-style quiz bowl will be on Wednesday, 10 February from 8:00 p.m.- 10:00 p.m. in the Golden Ballroom. Up to nine teams of 3 will compete to answer general knowledge questions on a variety of topics that somehow relate to birds, ranging from ornithological knowledge categories like Avian Morphology and

Taxonomy to random categories like Mythical Birds and Avian Anagrams. Each of the teams will participate in a timed match against two other teams where up to 25 questions will be asked. The point values of the questions will vary, with more difficult questions being worth a higher point value. At the end of each timed match, one final question will be asked where teams can wager up to all of their accumulated points. The winning teams from each first-round match will then play in the championship round that will be played in the same manner as the first round. Prizes will be awarded to the winning team.

GET TO KNOW YOUR SOCIETY

Ever wonder what AOU, COS, and SCO do when they aren't holding meetings? Sure, they put out quality journals, but what else do they do? Come find out at this informal session where representatives from all three societies will be present to discuss what their society does on a year-round basis and to provide information on how to get more involved in those activities. This is an opportunity for students and professionals to take a more active role in the societies and in ornithology. The event will take place Wednesday, 10 February at 1:15-2:00 p.m. in Sunset.

SPECIAL EVENTS

OPENING RECEPTION

Kick off the week at a poolside reception on Sunday evening, 7 February at 7:00-10:00 p.m. Appetizers and a cash bar will be available.

NIGHT AT THE MUSEUM

Join your colleagues on Monday night, 8 February for a fun evening at the San Diego Natural History Museum, where guests will have access to two exciting exhibits. Darwin: Evolution/Revolution is a special exhibit coinciding with the 200th anniversary of Darwin's birth and the 150th anniversary of the publication of *On the Origin of Species* and includes Darwin's own notebooks, manuscripts, specimens, and personal objects as well as fossils and living organisms. Guests will also be able to explore the museum's Fossil Mysteries exhibit which includes a variety of fossils and recreations of prehistoric life through a 75-million year timeline, including dinosaurs, mastodons, and a giant 34-foot *Megalodon* shark.

Event ticket includes shuttle transportation between the hotel and the museum, access to the museum, a complimentary drink ticket, and delicious heavy appetizers. Buses to the museum will begin departing from the drive area outside the Atlas Ballroom at 6:00 p.m. and will make several round-trips during the evening. The last bus back to the hotel will depart from the museum at 10:00 p.m.

ALL-OUT OSTRICH UPROAR

Our traditional 5 K fun race will take place on Wednesday, 10 February at 4:30 p.m. and will explore the beautiful San Diego River. After meeting at the conference Registration Desk, participants will walk together to the north side of the Town & Country Hotel, from where they will head east to the river trail. Runners will enjoy a view of the sunset over the river as they head south to cross the bridge before turning west back onto the river trail. The race ends at the Town & Country hotel, leaving just enough time to clean up and enjoy evening activities.

SILENT AUCTION

Items in the Silent Auction will be on display throughout the conference in the Exhibit Hall. Attendees may bid on items between 8:00 a.m.-5:30 p.m. Monday and Wednesday, and 8:00 a.m.-10:00 p.m. on Tuesday (including at Poster reception). Potential buyers should record their bids on sheets accompanying each item; we ask participants to consider meaningful increments in bidding. Winning bids will be determined at 5:30 p.m. Wednesday. Winners must pay for and pick up purchased items between 8:00-11:00 am Thursday. Proceeds from the auction will be used to fund student travel and participation at future meetings. Organized by the joint Student Affairs Committee.

PHOTO CONTEST

Photographs depicting birds by amateur and professional photographers will be on display throughout the meeting in the Exhibit Hall. Contest entries will be available for judging by conference participants 8:00 a.m.- 5:30 p.m. Monday and Wednesday, and 8:00 a.m.-10:00 p.m. on Tuesday (including at Poster reception). Winners in four categories will be announced at the closing banquet on Thursday, 11 February, and prizes must be picked up by 10:00 p.m. that night.

CLOSING BANQUET

The closing banquet will be held in the Golden Ballroom on Thursday, 11 February at 7:00 p.m. A reception and cash bar will precede the banquet at 6:00 p.m.-7:00 p.m. Student and other awards will be announced during the evening.

EARLY MORNING BIRD WALKS

Spend a morning birding some local sites within a short distance of the Town & Country, including the San Diego River mouth, Tecolote Canyon, Presidio Park, and Mission San Diego de Alcalá. Morning bird

walks will be offered each morning of the conference (8 February – 11 February). All trips leave from the main lobby entrance of the Town & Country at 6:00 a.m., and will strive to return by 8:00 a.m. Trips are free and open on a first come-first-served basis. Transportation will be by van, and group size is limited to 12 people per trip. Sign-up sheets will be located at the conference Registration Desk.

PRE- AND POST-MEETING FIELD TRIPS

San Diego is a world-class birding destination, with exactly 500 species reported in the county. A range of popular half-day to full-day field trips both before and after the meeting are available to help conference attendees sample the avifauna of this diverse and beautiful region.

LOS CORONADOS ISLANDS PELAGIC TRIP

Two trips: Friday, 12 February and Saturday, 13 February

Full-day trip by boat to Los Coronados Islands off Tijuana, Mexico, site of important colonies of the Brown Pelican, Brandt's Cormorant, Western Gull, Xantus' Murrelet, storm-petrels—and now Brown Booby. We will come and go by way of the most productive sites for pelagic birds off San Diego, center of the winter range of the Black-vented Shearwater; many other species such as the Short-tailed Shearwater and Rhinoceros Auklet are likely.

Buses leave from the semi-circular drive area outside the Atlas Ballroom Foyer at the Town & Country Hotel off Fashion Valley Road. Buses will depart at 6:00 a.m. and return to the hotel at approximately 6:00 p.m. Food is available for purchase at the boat's galley. Cost per person: \$80.

SALTON SEA TRIP

Sunday, 7 February

Full-day trip by bus from San Diego to the south end of the Salton Sea and Imperial Valley, man-made environments that are now the sites of some of the largest concentrations of birds in North America. The area is the winter home of vast numbers of wintering waterbirds such as the Snow and Ross's Geese and White-faced Ibis, and a large fraction of the total population of the American White Pelican, Mountain Plover, Long-billed Curlew, and Eared Grebe. We will also see wintering land birds and localized resident species such as Abert's Towhee. Leaders: Kathy Molina and Kimball Garrett.

Buses leave from the semi-circular drive area outside the Atlas Ballroom Foyer at the Town & Country Hotel off Fashion Valley Road. Buses will depart at 5:00 a.m. and return to the hotel at approximately 7:00 p.m. Tickets (\$75 per person) include box lunch.

SAN DIEGO COAST

Sunday, 7 February

Half-day trip by van to birding hot spots around San Diego, including the San Diego River mouth, south San Diego Bay, and the Tijuana River estuary. The San Diego River mouth attracts a wide diversity of shorebirds and waterfowl and is the principal site in California for foraging of the Little Blue Heron. The huge colony of terns in south San Diego Bay is not active in February, but the area features a great diversity of waterbirds. The Tijuana estuary is one of southern California's largest remaining tidal marshes and critical habitat for the Light-footed Clapper Rail, Belding's Savannah Sparrow, and Snowy Plover. It is foraging habitat for California's only resident Yellow-crowned Night Herons.

Vans leave from the semi-circular drive area outside the Atlas Ballroom Foyer at the Town & Country Hotel off Fashion Valley Road. Vans will leave at 6:00 a.m. and return to the hotel by noon (lunch not included). Cost per person: \$45.

SAN DIEGO ZOO'S WILD ANIMAL PARK

Friday, 12 February

Half-day trip by van to the Wild Animal Park, the world-famous San Diego Zoo's 1800-acre park exhibiting over 3500 animals of 260 species. These include many dozens of birds, especially African, such as the Hamerkop, Waldrapp, and Black Egret. The park exhibits the California Condor as well as being the center for condor research and breeding. The park also attracts many wild birds, such as Scott's Oriole, Costa's Hummingbird, a large roost of Turkey Vultures (with a regular Zone-tailed Hawk), and wading birds (including California's single resident Wood Stork). The trip will include a behind-the-scenes tour as well as the public exhibits and gardens.

Vans leave from the semi-circular drive area outside the Atlas Ballroom Foyer at the Town & Country Hotel off Fashion Valley Road. Vans will leave at 9:00 a.m. and return to the hotel by 3:30 p.m. Lunch is available for purchase at the park's snack bars and restaurants. Cost per person: \$85.

EXHIBITORS AND VENDORS

American Ornithologist's Union Booth: # 15
405 Villa View Drive
Farmington, NM 87402
<http://www.aou.org>

Birds&Beans LLC Booth: #1
Suite 506 *Platinum Sponsor*
15 River Street
Boston, MA 02108
<http://www.birdsandbeans.com>

Birds of North America Booth: #18
Cornell Lab of Ornithology
159 Sapsucker Woods Road
Ithaca, NY 14850
<http://bna.birds.cornell.edu/bna>

Canopy Tower Booth: #21
Centro Commercial Plaza Paitilla, #53 *Gold Sponsor*
P.O. Box 0832-2701
W.T.C. Panama
Panama
<http://www.canopytower.com>

Cooper Ornithological Society Booth: #12
P.O.Box 37012
Washington, DC 20013-7012
<http://www.cooper.org>

Cornell University Press Booth: #10
512 East State Street *Gold Sponsor*
Sage House
Ithaca, NY 14850
<http://www.cornellpress.cornell.edu>

DoD Partners In Flight Booth: # 8
32 Orchard Lane *Gold Sponsor*
Warrenton, VA 20186
<http://www.dodpif.org>

Holohil Systems, Ltd. Booth: # 14
112 John Cavanaugh Drive *Gold Sponsor*
Carp, Ontario
Canada, K0A 1L0
<http://www.holohil.com>

Kowa Optimed, Inc. Booth #13
20001 S. Vermont Ave. *Gold Sponsor*
Torrance, CA 90502-1326
<http://www.kowa-usa.com/frontend/default.asp>

Lotek Wireless/Biotract Telemetry
115 Pony Drive
Newmarket, Ontario, Canada L3Y 7B5
<http://www.lotek.com>

Booth: # 19
Gold Sponsor

Recon Environmental, Inc.
1927 5th Ave.
San Diego, CA 92101
<http://www.recon-us.com>

Booth: # 17
Gold Sponsor

San Diego Natural History Museum
P. O. Box 121390
San Diego, CA 92112-1390
<http://www.sdnhm.org>

Booth: #2
Platinum Sponsor

**SWCA-Environmental Consultants
Phoenix Office**
3033 North Central Avenue, Suite 145
Phoenix, AZ 85012
<http://www.swca.com>

Booth: # 11
Gold Sponsor

Wildlife Computers
8345 154th Avenue NE
Redmond, WA 98052
<http://www.wildlifecomputers.com>

Booth: #9
Gold Sponsor

Yale University Press
302 Temple Street
New Haven, CT 06510
<http://yalepress.yale.edu/home.asp>

Booth: # 16
Gold Sponsor

MEETING ABSTRACTS

Abstracts for all scientific sessions can be found at:
<http://www.birdmeetings.org/cosaousco2010/>. Any changes in the schedule during the meeting will be posted at this site daily.

PLENARY AND KEYNOTE LECTURES

PLENARY SPEAKERS

We will begin each morning with a plenary address at 8:00 a.m. in the Golden Pacific Ballroom. In addition to the three plenary speakers below, three finalists for the COS Young Professional Award will deliver presentations during a plenary session on Thursday, 11 February 2010, followed by a keynote presentation by Renée Duckworth, recipient of the 2009 Ned K. Johnson Young Investigator Award.

MONDAY, 8 FEBRUARY



Scott Derrickson

“Conservation of Endangered and Threatened Species – Research, Reality, and Future Directions”

Scott R. Derrickson received his BA in Biology at Gettysburg College in

1970. He pursued graduate studies in the Department of Ecology and Behavioral Biology at the University of Minnesota, where he received his MS in 1975 and Ph.D. in 1977 for studies on Northern Pintails. From 1977-1983, Scott was a Research Biologist with the U.S. Fish and Wildlife Service's Endangered Species Research Program at the Patuxent Wildlife Research Center in Laurel, Maryland. In 1983, Scott moved to the Smithsonian Institution's National Zoological Park, where he has served in various capacities as Curator of Ornithology (1983-1987), Deputy Director for Conservation (1987-2006), Deputy Director for Conservation and Science (2006-2009), and Acting Associate Director for Conservation and Science (2009-present). Over the past 30 years, Scott has been involved in wide variety of avian conservation initiatives and recovery programs. His work has spanned a diverse range of activities including research, captive propagation and management, reintroduction, recovery planning and implementation, and program and policy assessment. He has authored or coauthored over 65 papers, and received awards from several agencies, conservation organizations, and professional societies for his accomplishments. Scott was as member of the AOU panel that reviewed the California Condor recovery program in 2007-2008, and was the recipient of the AOU's Ralph W. Schreiber Conservation Award in 2009.

Abstract: Recovery efforts for endangered and threatened species have traditionally focused on the identification and subsequent amelioration of limiting factors, and variety of *in situ* and *ex situ* methods have been adopted on a species-by-species basis to alleviate factors affecting survival and fecundity in wild populations. While significant conservation successes have been recorded, recovery for most endangered species remains elusive because limiting factors remain unknown, have proven intractable, or cannot be addressed effectively within the existing socio-political environment. Using selected examples of avian recovery programs in which I have been involved over the past three decades, I will illustrate each of these circumstances and then discuss the diversity of

research, planning and policy issues associated with these programs. Given the environmental impacts associated with human population growth and predicted climate change, efforts to preserve biodiversity are moving from single-species programs to multiple-species and ecosystem-wide initiatives. Success in these initiatives will require fundamental changes in our social priorities and institutions and unprecedented levels of cooperation and coordination among researchers, resource managers, and stakeholders.

TUESDAY, 9 FEBRUARY



Kenneth P. Dial

“Ecological and evolutionary significance of the locomotor development in Birds”

Dr. Kenneth P. Dial has been the Director of the Flight Laboratory in the Division of Biological Sciences at the

University of Montana for over 20 years. A native of Southern California, son of an aeronautical engineer, Ken grew up next to LAX and the Ballona Wetlands fueling his interest at an early age in animal and aircraft flight. Ken is an active jet pilot holding airline transport plane (ATP), instrument, commercial, and multi-engine ratings. He obtained his bachelor's in biology at Loyola Marymount in Los Angeles, his MS at California State University, Long Beach, and Ph.D. at Northern Arizona University. Following a post-doctoral fellowship at the Museum of Comparative Zoology at Harvard University where he studied the anatomy and physiology of bird flight, Dial assumed a professorship at the University of Montana. Ken continues to teach a graduate field course in Tanzania on the evolutionary ecology of East Africa. He also hosted 36 episodes of Discovery Channel's Animal Planet “All Bird TV.” Dial's research activities focus on experimental studies of avian flight, specifically the ontogeny and scaling of avian locomotion, in an effort to offer new perspectives on the ecology, origin, and evolution of avian flight.

Abstract: Despite over a century of debate, the evolution of avian flight remains one of the most fiercely contested topics in evolutionary biology, and resolution cannot be possible without a more rigorous method for assessing the validity of competing hypotheses. Until recently, essentially all published efforts on the origin of avian flight fell into one of two traditional camps, arboreal or cursorial; a distinction considered by some to represent a false dichotomy. As it becomes increasingly evident that conventional avenues of investigating locomotor transitional stages are unable to discriminate between alternative or even plausible

scenarios, a more incisive experimental approach is required to limit the proliferation of non-falsifiable hypotheses. The time appears ripe for young scientists from diverse disciplines to delve into this volatile subject and energize our thinking beyond the traditional scope. Mining new data derived from extant species (e.g., behavior, life history biology, developmental biology, genetics, experimental functional morphology and physiology) that can be phylogenetically integrated with the wealth of fossil proto-avian theropod material will lead to more comprehensive and useful theses regarding adaptive states of transitional forms. In addition, by employing “biological uniformitarianism” we can limit the proliferation of countless permutations of arboreal and cursorial variants –and rely on integrative, observable, and/or testable theses on the origin and evolution of flight. The *ontogenetic-transitional wing hypothesis* is presented as the first attempt toward offering an integrative and observable hypothesis regarding transitional stages leading to avian flight.

WEDNESDAY, 10 FEBRUARY



Kathy Martin

“The World Wide Nest Web: how excavators and decay shape cavity nesting bird communities”

Dr. Kathy Martin is a Professor of Wildlife Ecology in the Forest Sciences

Department at the University of British Columbia, Vancouver, and a Senior Research Scientist with Environment Canada. She completed her BSc at the University of Prince Edward Island and graduate degrees at the University of Alberta and Queen's University, Ontario. Kathy has always been fascinated by how species persist in extreme and challenging environments. For several decades, she has conducted research on population ecology and life history variation of alpine and arctic grouse and songbirds, especially in relation to environmental variability. Since 1995, she and her students have conducted research on the community ecology of cavity nesters and other forest birds in relation to forestry activities and insect outbreaks.

Abstract: In forest and savannah ecosystems, 20-40% of vertebrate species depend on tree cavities to reproduce or for other critical life activities. The cavity nesting habit has arisen in a wide variety of avian families and across continents, and often varies within genera. Nest cavities in trees provide secure environments to raise offspring, but generally the supply of high

quality cavities close to other life requisites is quite low. I developed the Nest Web concept to describe the interdependence of cavity producers and consumers in structured-nidic guilds where species interact through the creation of and competition for nest sites. Globally, cavity formation depends on the presence of fungus and decay in trees. In the Nest Webs of North America, some woodpeckers function as keystone species as they excavate over 90% of the holes used by secondary cavity nesting birds and mammals. On other continents, secondary cavity nesters primarily use cavities formed by decay or damage, even when woodpeckers are present. Although hole formation processes differ, especially between temperate and tropical systems, cavity nesters use remarkably consistent rules for nest site selection.

THURSDAY, 11 FEBRUARY



Renée Duckworth, Keynote Speaker

*"An Evolutionary Perspective
on Avian Range Expansion"*

Dr. Renée A. Duckworth is an Assistant Professor in the Department of Ecology and Evolutionary Biology at the University of Arizona. Her research is at the interface of ecology, evolution and behavior with specific focus on the role of behavioral change in ecological and evolutionary processes. She received her Ph.D. from Duke University in 2006 for her studies of the evolutionary ecology of avian range expansions. She subsequently moved to Edinburgh University, UK as an NSF International Research Fellow to study the genetic basis of behavioral variation. She continued her postdoctoral work at the Department of Organismic and Evolutionary Biology at Harvard University where she explored the role of behavior in evolutionary diversifications and extinctions. In 2008, she was named the G.G. Simpson Fellow in Evolutionary Biology by the University of Arizona. In addition to receiving the 2009 Ned K. Johnson Young Investigator Award from the AOU, she is also a recipient of the 2009 Young Investigator Prize from the American Society of Naturalists.

Abstract: Over the next several decades, numerous avian species are expected to modify their geographical ranges in response to climate change and other anthropogenic effects. Predicting the extent and speed with which such range changes will occur is challenging because we currently have a poor understanding of the mechanisms that enable species to colonize new areas. I will use the empirical example of western bluebirds' recent range expansion in North America to illustrate

the importance of integrating information from ecology, evolution and development to gain insight into the mechanisms of range expansion. In this species, range expansion was accompanied by rapid across-generation shifts from a "colonizing" phenotype of highly dispersive, competitive individuals to a "settler" phenotype of less dispersive and parental individuals. Such cycles enabled population persistence during the process of colonization and were proximately produced by maternal effects on offspring dispersal behavior in response to local resource distribution. I suggest that close integration of maternally-induced developmental variability with changes in resource availability is a product of historical recurrence of fire-induced habitat succession in this species. This work suggests that a combination of developmental and historical approaches are crucial to understanding how species will respond to anthropogenic changes of this century.

Cooper Ornithological Society Young Professional Award Finalists

The following three finalists will deliver 25-minute presentations at the YPA Plenary session on Thursday, 11 February:

Daniel C. Barton[^], University of Montana

"Ecological Causes of Life History Variation Tested by a Comparative-experimental Approach"

Abstract: Three alternative hypotheses (food limitation, nest predation, adult mortality) are thought to explain latitudinal variation in reproductive strategies. We tested these alternatives by comparing responses of parental provisioning rate to natural and experimental variation in brood size among species. The reaction norm of provisioning to brood size is key because it integrates critical tradeoffs, and because alternative hypotheses predict alternative patterns of variation. We found variation among 29 bird species in the slope of reaction norms of per-offspring provisioning to natural variation in brood size was explained by variation in adult mortality. Yet, species with high adult mortality appeared to adjust offspring number to parental provisioning, consistent with food limitation. We experimentally reduced broods by half in seven bird species with divergent life histories and found reduced broods showed increased per-nestling provisioning and growth, also consistent with food limitation. However, magnitudes of manipulation effect increased with adult mortality, suggesting species with low mortality reduce effort with reduced broods. These results suggest ecological factors thought to cause life history variation may interact and shift in importance across species and regions.

Andrea Townsend[^], Cornell University

“Suboptimal Reproductive Sharing in Cooperative Crows? An Inbreeding Extension to the Tug-Of-War Model of Reproductive Skew”

Abstract: Theory predicting how reproduction should be partitioned among family members in cooperatively breeding birds is scant, despite the vast reproductive skew literature, because the costs and benefits of inbreeding have yet to be incorporated into current skew models. Here, we extend the tug-of-war model of reproductive skew with inbreeding parameters, and test the predictions of this model in a cooperatively breeding American crow (*Corvus brachyrhynchos*) population. Approximately 20% of offspring in this crow population were produced through incestuous or highly inbred matings, and inbred offspring suffered severe survival costs. Using empirically derived genetic relatedness coefficients, male competitive asymmetries and a range of offspring survival probabilities, we generated expected reproductive shares of the male breeders and auxiliaries, and compared these expectations to patterns observed in the field. We found that expected values predicted observed values, but only when we specified the minimal predicted survival costs of inbreeding—the upper bound of the 95% confidence interval of the survival probability for inbred birds. Our results suggest that these crows partitioned reproduction suboptimally, given the high costs of inbreeding in this population.

Zachary Cheviron[^], University of California, Los Angeles

“Genetics of High-Altitude Adaptation in Rufous-Collared Sparrows (*Zonotrichia Capensis*)”

Abstract: Here we combine population genetic data with protein modeling analyses to test for adaptive divergence in the gene that encodes the α -subunit of the major adult hemoglobin isoform (α A-hemoglobin) in *Zonotrichia capensis*, a species with an exceptionally broad altitudinal distribution. We sampled 168 individuals from 17 sampling localities that are distributed along three elevational test transects and four latitudinal control transects on the west slope of the Peruvian Andes. We sequenced the entire α A-hemoglobin gene in all of the sampled individuals. Each individual was also genotyped at four nuclear introns and four nuclear autosomal microsatellites. Two amino acid replacements within exon 2 of the α A-hemoglobin gene segregate within populations, and the frequency of these replacements is strongly associated with altitude. α A-hemoglobin gene flow estimates along the control transects were 70 times greater than those estimated along the elevational transects. Gene

flow was not similarly reduced for the other nuclear loci. The severe reduction of altitudinal gene flow in the absence of similar reductions for putatively neutral loci is consistent with local adaptation of α A-hemoglobin to different altitudinal environments.

WORKSHOPS

Six pre-meeting workshops will be held on Sunday, 7 February.

Getting Involved with Non-academic Institutions

9:00-12:00 Brittany

Organizers: Wendy Lenhart, Dan Barton (daniel.barton@grizmail.umt.edu), Andrea Norris, and Kristina Cockle

This workshop will aim to bridge the gap between academics and non-academic institutions. Objectives are to inform students on how to get experience and training at non-academic institutions (non-profits, government agencies, and NGO's). Representatives will include AZA institutions, Nature Conservancy, Wildlife Conservation Society, USGS, etc.

Neotropical Bird Identification Workshop

9:00-12:00 Ascot

Organizer: Jose Soto (jsoto@canopytower.com)

This workshop is designed to teach beginning birders, or advanced birders who have not yet visited the Neotropics, to identify the amazing diversity of bird species there. Set in a classroom, the workshop will feature a powerpoint presentation with images and sounds of birds. Participants will learn how to ID birds by size, silhouette, behavior, vocalization, habitat, and field marks of the wing and head. Please bring a copy of Birds of Panama if possible; a few copies will also be available at the workshop.

North American Ornithological Atlas Committee (NORAC)

9:00-5:00 Eaton

Organizers: Andrew Couturier (acouturier@bsc-eoc.org) and Charles M. Francis

The objectives of the workshop are to facilitate the exchange of information on atlases and to develop a compendium of “best practices.” This compendium, or atlas handbook, will function as a central resource for those considering implementing a breeding bird atlas. The agenda will consist of a mixture of short presentations and informal discussions throughout the day.

Avian First Aid for the Field and Captive Setting

9:00-12:00 Garden Salon Two (first workshop)

1:00-5:00Garden Salon Two (second workshop)

Organizer: Lynn Miller (mbeland@securenet.net)

With the decline in avian populations world-wide, we can not afford to lose individuals impacted through human interaction. This workshop aims to give solid practical advice in managing injuries, allowing the attendee to evaluate an injury, to stabilize it, and to transport the bird to the appropriate site for care.

Phylogenetic Methods for Estimating Species Trees

1:00-5:00Garden Salon One

Organizers: Scott Edwards (sedwards@fas.harvard.edu) and Dennis Pearl

A computer workshop focused on new methods for estimating phylogenetic trees from multilocus DNA sequence data. A new class of phylogenetic methods is emerging for the estimation of so-called “species trees,” trees of species, populations and lineages that can be estimated by combining the information from multiple, independently segregating genes or DNA sequences. The workshop will focus on implementing and running two software packages (Bayesian Estimation of Species Trees (or BEST), and Species Trees Estimated by Average Ranks of Coalescence Times (or STAR)), and will allow participants to analyze their own or example data sets.

Avian Interactions with Power Lines: An Overview of Avian Protection Plan Guidelines, Regulations, and Techniques for the Protection of Avian Species

1:00-5:00 Brittany

Organizers: Kara Donohue (Kara.Donohue@sce.com) and Sherry Liguori

This workshop addresses impacts of energy infrastructure and development on migratory birds. It will review the causes of bird electrocutions and collisions with power lines, regulations protecting migratory birds, recent changes to eagle regulations due to bald eagle de-listing, measures to reduce bird mortality associated with power lines, management of raptor nests on power lines, and the development of avian protection plans that allow utilities to protect migratory birds while enhancing power reliability.

SYMPOSIA

This year we have an outstanding array of symposia covering a broad array of topics relevant to the many facets of current ornithology:

MONDAY, 8 FEBRUARY**S09: Ornithological Applications**

10:00-12:30 p.m. Windsor/Hampton

Organizers: Tom Gardali and Nat Seavy**S10: Women in Ornithology: History, Current Roles, Future Opportunities and the Role of Societies in Professional Development**

10:00-12:30 p.m. Sunrise

Organizers: Bonnie Bowen and Kim Sullivan**S04: Assessments of Habitat Selection and Quality: Perspectives and Future Directions**

2:00-5:30 p.m. Windsor/Hampton

Organizer: Anna Chalfoun**S03: Population and Community Responses Of Cavity-Nesting Birds to Natural and Anthropogenic Disturbance**

2:00-5:30 p.m. Sunrise

Organizers: Andrea Norris, Kristina Cockle, and Kathy Martin**TUESDAY, 9 FEBRUARY****S02: Tri-national Bird Conservation: Shared Strategies for a Shared North American Avifauna**

10:00-12:30 p.m. Windsor/Hampton

Organizers: Ken Rosenberg, Andrew Couturier, Humberto Berlanga, Peter Blancher, and Terry Rich**S12: Avian Immunity: Resilience in the Face of Emerging Zoonoses and Climate Change**

10:00-12:30 p.m. Sunrise

Organizer: Caldwell Hahn**S01: Saving Hawaii's Birds**

2:00-5:00 p.m. Windsor/Hampton

Organizers: Thane Pratt and David Leonard**S05: Birds and Ecosystem Services**

2:00-5:00 p.m. Sunrise

Organizers: Daniel Wenny and Christopher Whelan

WEDNESDAY, 10 FEBRUARY**S11: Yellow-billed Cuckoos: Biology and Conservation in the Western United States**

10:00-12:30 p.m. Windsor/Hampton

Organizer: Matt Johnson**S08: Marine Birds: Dynamic Responses to Inter-annual to Interdecadal Climate Variability and Change in the Gulf of California and Southern California Current: Models and Applications**

10:00-12:30 p.m.Sunrise

Organizers: Enriqueta Velarde, Daniel Anderson, Exequiel Ezcurra, and William Sydeman**THURSDAY, 11 FEBRUARY****S06: Advances in Shorebird Conservation**

10:00-12:30 p.m.Windsor/Hampton

Organizers: Roy Churchwell, Abby Powell, and Stephen Brown**S07: Rusty Blackbird: Range-Wide Perspective on a Short-Distance Migrant in Decline**

10:00-12:30 p.m.Sunrise

Organizer: Paul Hamel**CONCURRENT PAPER SESSIONS**

Six concurrent sessions will be held in the Convention Center, nearby Sunrise Room, and Windsor/Hampton Room.

INSTRUCTIONS FOR SESSION CHAIRS AND PRESENTERS**Session Chair Information:**

Please arrive 10 minutes early to familiarize yourself with the meeting room and AV equipment. Once the presentation is launched, the presenter will control the program from the podium using a computer mouse or the up/down/right/left keys on a keyboard. Each room will have a timer and slide advancer/laser pointer. We must keep on time! Please start the sessions on time; do not delay while people return from breaks. If a speaker ends early or a talk is cancelled, please wait until the scheduled start of the next presentation before continuing.

Talks are 12 minutes long with 2 minutes for questions and a 1-minute period for changing rooms. Please briefly introduce the speaker, their

affiliation, and the title of their talk – no biographical elaboration is necessary.

To keep talks on schedule, we will use the following timing conventions: at 10 minutes past the start of the talk, notify the speaker that there are 2 minutes left. If we are able to implement a central timing station, an indicator will sound. At 12 minutes, indicate it is time to begin any questions; again, an indicator will sound. At 14 minutes indicate that the talk and questions are over; the indicator will sound to signal the end of the allotted time, giving everyone an opportunity to move between rooms if they wish. At 15 minutes a sound will indicate the start of the next talk. (Note that if you are chairing a 30-minute talk in a symposium, the talk and any questions still must end at the same time as the second concurrent 15-minute talks in the general sessions.)

We are doing a few things slightly differently at this conference. For example, we are dividing our 10-talk morning sessions into two continuous 5-talk blocks, with a separate chair for each block; that way no one has to sit in one spot for 2-1/2 hours. Our afternoon talks are divided into two 6-talk blocks with a coffee break in between and two separate chairs as well (although some afternoon sessions have been shortened to accommodate society business meetings). We also hope to implement a centralized timing station to keep concurrent sessions synchronized, and further reduce the burden on session chairs.

CREATING YOUR PRESENTATION

The computers in the session rooms will be Windows XP based PCs with Microsoft Office 2007, including PowerPoint. Verification of proper performance in the Presentation Room is essential, particularly if video and animation are included in the presentation. **Internet access will not be available during your presentation.**

Personal laptops cannot be used in the session rooms. All presentations will be uploaded from the Presentation Room to Meeting Room laptops provided for your use. However, support is available in the Presentation Room for any last-minute revisions to your presentation. Please save a copy of your most current presentation on a USB Flash “thumb” Drive, external Hard Drive, a CD, or DVD, and bring it with you when checking in at the Presentation Room. Please do not bring your laptop as the process of physically setting it up to retrieve, store, and transfer the presentation is prohibitively time-consuming.

All presentations must be created in, or converted to, Microsoft’s PowerPoint program.

Macintosh Users:

Please make sure that all inserted pictures are either JPEG or PNG file-types. Quicktime (.mov) files are also an accepted video format. Presenters using Macintosh's Keynote program should read <http://docs.info.apple.com/article.html?path=Keynote/4.0/en/c9kn26.html> for directions on converting their presentation to PowerPoint. This conversion should be completed prior to uploading the presentation; however, there will be a Macintosh laptop available in the Presentation Room for on-site conversion of presentations if required.

Video Formats:

The recommended video format for Windows-based presentations is Windows Media (.wmv). For more detailed information regarding adding video to your presentation please read <http://office.microsoft.com/en-us/powerpoint/HA012303111033.aspx>.

PowerPoint embeds image files directly into the file when you save them, while video files are not embedded. Only a link is made to the video file. Copy the video clips you want to insert into the same folder as the PowerPoint file. This will eliminate the problem of PowerPoint losing the link to the file.

There is a trade-off between high quality videos and large files. Use short video segments when needed, and try to keep the file size to less than 20 Mb.

Fonts:

Arial and Helvetica are recommended for clarity and compatibility. Confirm a font size of AT LEAST 24 points for body text and 36–40 points for headings. Light colored text on a dark background is advised. Avoid using red or green. Confirm that the maximum number of lines in text slides is no more than 6 or 7.

Images:

The size of the screen will be 1024 x 768 pixels, meaning that any image with more pixels in the X or Y coordinate that is more than that will not be displayed. The image will be altered by PowerPoint to fit. Large images (i.e. 2000 x 1500 pixels) which are created with digital cameras and scanners will make the resulting PowerPoint file very large. This may cause the presentation to load slowly.

For on-screen presentations, JPEG-type images work well. This type of image file can be created with virtually all imaging programs. There are many graphics programs which can manipulate images. Consult the manual for more specific instructions if needed.

Large/slow presentations can be avoided by using a graphics program to convert the image and inserting images by a specific method:

- Change the size of the image to approximately 800 x 600 pixels
- Save as file type "JPEG" or "JPG"
- Select compression setting of 8 (High quality image)
- Insert all images into PowerPoint as JPEG files.

If you copy the images to the clipboard and then Edit/Paste them into PowerPoint, the images will not be compressed and the PowerPoint file can become very large. To avoid this, insert them directly into PowerPoint (Insert/Picture/from File).

Animations:

Please keep animations to a minimum.

PREPARING FOR YOUR PRESENTATION**Advance Submission:**

Presenters will receive an email from the audio visual company, Meeting Services, Inc., that will include a link to their website to upload presentations online prior to the start of the meeting. Presenters will be able to submit their files via the web and will receive their login credentials via email. Online submission of your presentation files via the Internet is not required, but is strongly encouraged as presenters who send in their files via the Web site will have faster check in at the Presentation Room. Please make sure to upload all media files required for your presentation. Any videos, sounds, or fonts not included in your online upload folder must be brought to the Presentation Room on your laptop or Flash Drive to be added to your folder.

On-site Submission and Presentation review/editing:

Check in at the Presentation Room (Town & Country Hotel, Pacific Salon 7) to submit your files if you did not do so in advance, and to preview your presentation. If you are in a morning session (10:00am -12:30pm) you must come to the Presentation Room by 5pm the day preceding your talk. If you are in an afternoon session (2:00-5:30pm) you must come by before 10:00am the day of your presentation. The Meeting Services technicians will assist with the upload of your files and provide the opportunity to preview and/or edit your presentation as necessary.

If you submit your files in advance, you may edit your presentation up to the deadlines above. After you have submitted your files and have finished reviewing and/

or making changes to your presentation, you must tell Meeting Services personnel that you have viewed and approved your presentation file before you leave the Presentation Room. Meeting Services will then transfer the updated file to your meeting room.

The Presentation Room will be open 7am-5pm Sunday, February 7 through Thursday, February 11.

Quality Control:

Giving your presentation a last “once-over” in the Presentation Room is the most important step you will take to ensure your success. When reviewing your presentation, make sure all fonts, images, and animations appear as expected and that all audio or video clips are working properly. The computers in the meeting rooms are the same as the computers in the Presentation Room, therefore:

IF THE PRESENTATION DOES NOT PLAY PROPERLY IN THE PRESENTATION ROOM, IT WILL NOT PLAY PROPERLY IN THE MEETING ROOM.

Security:

Presenters are required to provide identification in order to submit their presentation as well as to access it in the Presentation Room.

Cameras and video equipment are not permitted in the Presentation Room.

All files are deleted at the end of the conference, unless permission has been granted to the conference association to retain the presentation files.

YOUR MEETING ROOM EXPERIENCE

Your session room laptop will have your presentation clearly viewable on the desktop. Simply double-click your presentation and control it from the podium using the computer mouse or the up/down/right/left keys on a keyboard. Audio Visual technicians will be located in close proximity to all meeting rooms and will be available to provide assistance if required.

CONTACT INFORMATION

For questions regarding the online submission Web site, please contact: Jim Roth, jroth@msiprod.com, 619.247-3045

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* Authors will be present to sign books; visit the Yale University Press booth # 16 for day and time

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MONDAY ORAL SESSIONS AT A GLANCE

8:00 a.m.	Plenary Session - Golden Ballroom Welcome & Announcements AOU Awards Plenary Address: Scott Derrickson <i>Conservation of Endangered and Threatened Species – Research, Reality, and Future Directions</i>					
9:30 a.m.	Coffee Break					
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
10:00 a.m.	S09: Ornithological Applications -1	G35: Effects of Wind Farms and Energy Development - 1	S10: Women in Ornithology - 1	G33: Effects of Exotics on Species' Biology	G02: Sexual Selection - 1	G15: Community Ecology
11:15 a.m.	S09: Ornithological Applications -2	G35: Effects of Wind Farms and Energy Development - 2	S10: Women in Ornithology - 2	G14: Population Ecology of Species of Concern	G02: Sexual Selection - 2	G37: Landscape Scale
12:30 p.m.	Lunch on your own					
2:00 p.m.	S04: Habitat selection and quality -1	G20: Climate Impacts - Mechanisms	S03: Cavity-Nesting Birds	G16: Tropical Systems - 1	G07: Mating Systems and Sex Ratios	G25: Life History - Clutch Size
3:30 p.m.	Coffee Break					
4:00 p.m.	S04: Habitat selection and quality -2	G21: Climate Change and Weather	G34: Effects of Fire and Timber Harvest	G16: Tropical Systems - 2	G48: Parasites and Metapopulations	G01: Behavior - 1

TUESDAY ORAL SESSIONS AT A GLANCE

8:00 a.m.	Plenary Session - Golden Ballroom Welcome & Announcements COS Awards Plenary Address: Ken Dial <i>Ecological and evolutionary significance of the locomotor development in Birds</i>					
9:30 a.m.	Coffee Break					
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
10:00 a.m.	S02: Tri-national Bird Conservation - 1	G06: Breeding Biology and Parental Care - 1	S12: Avian Immunity - 1	G01: Behavior - 2	G18: Molecular Ecology	G46: Nesting Habitat
11:15 a.m.	S02: Tri-national Bird Conservation - 2	G06: Breeding Biology and Parental Care - 2	S12: Avian Immunity - 2	G10: Movements and Dispersal	G36: Genetic Structure	G32: Urban Effects and Survival
12:30 p.m.	Lunch on your own					
2:00 p.m.	S01: Saving Hawaii's Birds - 1	G06: Breeding Biology and Parental Care - 3	S05: Birds and Ecosystem Services - 1	G09: Migration and Stopover Biology - 1	G26: Evolution	G17: Urban Effects
3:30 p.m.	Coffee Break					
4:00 p.m.	S01: Saving Hawaii's Birds - 2	G41: Life History - Incubation	S05: Birds and Ecosystem Services - 2	G09: Migration and Stopover Biology - 1	G44: Speciation	G47: Noise and Anthropogenic Disturbance

WEDNESDAY ORAL SESSIONS AT A GLANCE

8:00 a.m.	Plenary Session - Golden Ballroom Welcome & Announcements SCO Awards Plenary Address: Kathy Martin <i>The World Wide Nest Web: how excavators and decay shape cavity nesting bird communities</i>					
9:30 a.m.	Coffee Break					
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
10:00 a.m.	S11: Yellow-billed Cuckoos - 1	Conservation and Population Biology - 1	S08: Marine Birds - 1	G28: Phylogenetics and Phylogeography - 1	G31: Ornithology (Ends 11:00 a.m.)	G50: Plumage Patterns and Variation
11:15 a.m.	S11: Yellow-billed Cuckoos - 2	Conservation and Population Biology - 2	S08: Marine Birds - 2	G28: Phylogenetics and Phylogeography - 2	G08: Brood Parasitism (Begins 11:00 a.m.)	G43: Song Structure and Signalling
12:30 p.m.	Lunch on your own					
2:00 p.m.	G23: Population Biology - Survival	G05: Breeding Biology and Behavior - 1	G45: Molt, Migration, and Stopover	G27: Systematics and Phylogeny	G12: Habitat Relationships - 1	G03: Song and Vocalizations - 1
3:30 p.m.	Coffee Break					
4:00 p.m.	G24: Population Biology	G05: Breeding Biology and Behavior - 2	G13: Population Ecology	G29: Pleistocene - Then and Later	G12: Habitat Relationships - 2	G03: Song and Vocalizations - 2

THURSDAY ORAL SESSIONS AT A GLANCE

8:00 a.m.	Plenary Session - Golden Ballroom Welcome & Announcements Plenary: COS Young Professional Award Finalists Keynote Address: Renée Duckworth <i>An Evolutionary Perspective on Avian Range Expansion</i>					
9:45 a.m.	Coffee Break					
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
10:00 a.m.	S06: Advances in Shorebird Conservation - 1	G51: Disease, Parasites, Immunity - 1	S07: Rusty Blackbird - 1	G30: Biogeography - 1	G38: Grasslands and Grazing - 1	G40: Hormones and Immunology
11:15 a.m.	S06: Advances in Shorebird Conservation - 2	G51: Disease, Parasites, Immunity - 2	S07: Rusty Blackbird - 2	G30: Biogeography - 2	G38: Grasslands and Grazing - 2	G49: Physiology and Energetics
12:30 p.m.	Lunch on your own					
2:00 p.m.		G11: Capt Breeding, Release, Monitoring, and Conserv Planning - 1		G04: Acoustic Monitoring and Detectability	G39: Habitat Relationships of Species of Concern	
3:30 p.m.	Coffee Break					
4:00 p.m.		G11: Capt Breeding, Release, Monitoring, and Conserv Planning - 2		G42: Models, Methods, Landscapes	G12: Habitat Relationships - 3	

MONDAY MORNING PRESENTATIONS

Plenary Session - Golden Ballroom: Welcome & Announcements, AOU Awards, Plenary Address: Scott Derrickson, "Conservation of Endangered and Threatened Species – Research, Reality, and Future Directions"					
8:00 a.m.	Break				
9:30 a.m.	Break				
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2
Session	S09 Ornithological Applications Tom Gardali & Nat Seavy	G35 Effects of Wind Farms and Energy Development T. Longcore	S10 Women in Ornithology Bonnie Bowen & Kim Sullivan	G33 Effects of Exotics on Species' Biology J. Brawn	G02 Sexual Selection M. Liu
10:40 a.m.	Haig, S. M., D'Elia, J.: AVIAN SUBSPECIES AND THE U.S. ENDANGERED SPECIES ACT (6050)	Longcore, T., Rich, C., Mineau, P., MacDonald, B., Bert, D., Sullivan, L. M., Gauthreaux Jr. S. A., Avery, M. L., Crawford, R. L., Manville, A. M., Travis, E. R., Drale, D. A. N. ESTIMATE OF AVIAN MORTALITY AT COMMUNICATION TOWERS IN NORTH AMERICA BY SPECIES AND REGION (6127)	Bowen, B. S.: A HISTORICAL PERSPECTIVE ON WOMEN IN ORNITHOLOGY (6014)	Freed, L., Cann, R.: INTRODUCED BIRD STUNTS GROWTH AND LOWERS SURVIVAL THROUGHOUT A NATIVE HAWAIIAN BIRD COMMUNITY (5734)	Liu, M.: Mays, H.; Stiefferman, L.; Hill, G.; FEMALE REPRODUCTIVE SUCCESS IN RELATION TO MALE ORNAMENTATION AND GENETIC COMPATIBILITY OF PAIRS (5729)
10:15 a.m.	Scott, J. M., Wiens, J. A., Goble, D. D.: CONSERVATION-RELIANT BIRDS: OUR NEW RELATIONSHIP WITH NATURE (6278)	Gehring, J. L., Schools, E. H., Enander, H. D.: AVIAN NIGHT MIGRATION CONCENTRATION AREAS IN MICHIGAN: KNOWLEDGE IMPORTANT TO THE SITING OF WIND FARMS AND OTHER TALL STRUCTURES. (6034)	Sullivan, K. A., Bakian, A. V.: WOMEN IN ORNITHOLOGY TODAY: CHALLENGES AND OPPORTUNITIES (6099)	Erdi, K. E., Theimer, T. C., Johnson, M. J., Holmes, J.: POTENTIAL IMPACTS OF AN EXOTIC SPECIES ON NESTING COMMON BLACK HAWKS (BUTEOGALLUS ANTHRACINUS) AND THE CORRESPONDING MANAGEMENT CONUNDRUM. (6234)	Michel, N. L.: Sherry, T. W.; COMMUNITY-LEVEL CONSEQUENCES OF UNDERSTORY INSECTIVOROUS BIRD DECLINE IN NEOTROPICAL RAINFOREST (5831)
10:30 a.m.	Wiens, J. A., Scott, J. M., Goble, D. D.: CONSERVATION RELIANCE AMONG CALIFORNIA BIRD SPECIES OF SPECIAL CONCERN (5720)	Howell, J. A., Cadle, J. H., Johnston, D. S., Mabey, T. J., Thongate, N., Newman, D. P., Terrell, S. B.: MIGRATORY FLIGHT PATTERNS AND MOVEMENT RATES OF BIRDS AND BATS IN RELATION TO OBSERVED MORTALITY AT WIND ENERGY FACILITIES IN THE MONTEZUMA HILLS, CALIFORNIA (5994)		Epandhin, P. N.: Knapp, R. A.; Lawler, S. P.; INDIRECT EFFECTS OF NONNATIVE FISH ON THE GRAY-CROWNED ROSE-FINCH (5794)	English, P. A.: Montgomerie, R.; ROBIN'S EGG BLUE: IS EGG COLOR A SEXUAL SIGNAL? (5798)
10:45	Morrison, M. L.: DIFFERENT SHADES OF GREEN: HOW BIRDS HAVE CHANGED THE WIND-ENERGY INDUSTRY (5687)	Karsten, K. B., Hale, A. M., Gordon, C. E., Suson, B. J.: EFFECTS OF WIND TURBINE PROXIMITY AND OTHER VARIABLES ON THE REPRODUCTIVE SUCCESS OF SHRUB-NESTING PASSERINES (6093)	Schmid, S. L.: WOMEN IN CELL BIOLOGY: A RESOURCE FOR PROFESSIONAL DEVELOPMENT (6026)	Loss, S. R., Blair, R. B.: DOES THE WORM GET THE EARLY BIRD? IMPACTS OF INVASIVE EUROPEAN EARTHWORMS ON GROUND-NESTING SONGBIRDS IN NORTHERN HARDWOOD FORESTS (5984)	Dakin, R.: Montgomerie, R.; THE PEACOCK'S IRIDESCENT EYESPOTS: MALE ORIENTATION DURING COURTSHIP INFLUENCES FEMALE CHOICE. (5786)
11:00	Kelley, R., Strum, K. M., Reiter, M. E., Hickey, C., Elphick, C. S.: INCREASING THE HABITAT VALUE OF CALIFORNIA'S RICELANDS FOR WETLAND BIRDS: PARTNERSHIPS, EXPERIMENTS, AND POLICY (6060)	Meyer, J. A., Karsten, K. B., Hale, A. M.: EFFECTS OF WIND TURBINES ON BREEDING GRASSLAND BIRDS IN NORTH-CENTRAL TEXAS (5694)		Beckmann, C., Shine, R.: RESPONSES OF WADING BIRDS TO A NOVEL FOOD SOURCE: THE INVASIVE CANE TOAD. (6238)	Baxter, S. A., Risch, T. S.: ARE STRUCTURALLY PRODUCED PLUMAGE COLORS HONEST SIGNALS OF QUALITY? A FEEDING EXPERIMENT WITH THE EASTERN BLUEBIRD. (5869)
					Spotswood, E. N., Barrolome, J. W., Meyer, J. Y.: BIRDS IN SEED DISPERSAL WEBS: CONSEQUENCES FOR NATIVE COMMUNITIES AND SPECIES INVASIONS IN FRENCH POLYNESIA (6051)
					Vilchis, L. I., Ballance, L. T.: RETROSPECTIVE ANALYSIS OF TROPHIC LEVEL IN A TROPICAL SEABIRD COMMUNITY OF THE EASTERN PACIFIC WARM POOL (6175)

^ Indicates a Young Professional Award Candidate.

MONDAY LATE-MORNING PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S09 Ornithological Applications Tom Gardali & Nat Seavy	G35 Effects of Wind Farms and Energy Development J. Garvin	S10 Women in Ornithology Bonnie Bowen & Kim Sullivan	G14 Population Ecology of Species of Concern M. Reed	G02 Sexual Selection M. Webster	G37 Landscape Scale M. Leu
11:15 a.m.	Wanock, N.: POST-RELEASE STUDIES OF OILED WILDLIFE: DO DATA SUPPORT REHABILITATION? (6266)	Garvin, J. C.; Drake, D.: IMPACT TO RAPTORS FROM A WINDFARM LOCATED NEAR AN IMPORTANT BIRD AREA (5792)	Hall, L. S.: FROM ACADEMIA TO THE NON-PROFIT WORLD: A VIEW OF ORNITHOLOGY (6115)	Conkling, T. J.; Pope, T. L.; Smith, K. N.: AN ANALYSIS OF THE BLACK-CAPPED VIREO NEST PREDATOR ASSEMBLAGE (6209)	Webster, M.: Kanubian, J.; Lindsey, W.; Schwab, H.: SOCIAL STATUS SHAPES PHENOTYPE IN A PASSERINE BIRD (6139)	Feldman, R. E.; McGill, B. J.: THE CONTEXT DEPENDENCE OF HUMMINGBIRD COMPETITION (5711)
11:30 a.m.	Branchin, P. N.: SHOULD PASSERINES BE CONSIDERED WHEN DETERMINING THE FUTURE OF FISH STOCKING IN CALIFORNIA? (5816)	Hale, A. M.; Karsen, K. B.: ESTIMATING AVIAN MORTALITY AT A UTILITY-SCALE WIND FARM IN NORTH-CENTRAL TEXAS (6072)		Biteenan, D. S.; Bridges, A. S.; Garcelon, D. K.; Stahl, J. T.; Booker, M. A.: PREDATION AT SAN CLEMENTE LOGGERHEAD SHRIKE NESTS: EVALUATION AND QUANTIFICATION VIA REMOTE VIDEO-CAMERA SYSTEMS. (6083)	Murphy, T. G.; Rosenthal, M. E.; Montgomerie, R.; Tarvin, K. A.: FEMALE USE CAROTENOID-BASED BILL COLORATION TO SIGNAL STATUS (5905)	Leu, M.: Aldridge, C. L.; Hanser, S. E.; Knick, S. T.; Nielsen, S. E.: DISTRIBUTION AND ABUNDANCE OF SAGEBRUSH BIRD SPECIES IN THE WYOMING BASINS: IS IT LAND-USE, FRAGMENTATION, OR HABITAT LOSS? (5934)
11:45 a.m.	Levison, R.: MAPPING THE BYCATCH SEASCAPE: SPATIAL APPROACHES TO REDUCING SEABIRD BYCATCH (6264)	Gilbert, M. M.*; Chalfoun, A. D.: INFLUENCE OF ENERGY DEVELOPMENT ON SAGEBRUSH-OBLIGATE SONGBIRDS (5744)	Martin, K.: ORNITHOLOGISTS IN ACADEMIA AND GOVERNMENT: PROGRESSING IN YOUR CAREER AND STAYING HAPPY? (6109)	Docherty, T. D.; Bridges, A. S.; Garcelon, D. K.; Hudgens, B.; Booker, M. A.; Clemente Sage Sparrows on San Clemente Island, California. (6049)	Mercadante, A.; Hill, G.: PTILOCHRONOLOGY OF EASTERN BLUEBIRDS (6207)	Askins, R. A.; Folsom-O'Keefe, C. M.; Genz, M. C.: THE EFFECTS OF SURROUNDING LAND COVER ON THE ABUNDANCE OF SHRUBLAND BIRDS IN POWERLINE RIGHTS-OF-WAY (5688)
12:00 noon	Song, S. J.; Bayne, E. M.; Cumming, S. C.; Fontaine, P.; Lefevre, K.; Malton, C. L.; Schmitz, F. K.: A LARGE-SCALE MODELLING EFFORT TO SUPPORT MANAGEMENT OF INCIDENTAL TAKE OF MIGRATORY BIRDS IN CANADA'S BOREAL FOREST (6265)	Ayers, A. J.*; Armacost, J.; W.: ASSESSING AVIAN MORTALITY RATES AND POPULATION IMPACTS ASSOCIATED WITH AN ELECTRICAL TRANSMISSION LINE IN JEFFERSON COUNTY, TX (5777)		Virzi, T.; Lockwood, J. L.: CONSPECIFIC ATTRACTION AND POPULATION RECOVERY OF THE ENDANGERED CAPE SABLE SEASIDE SPARROW IN THE FLORIDA EVERGLADES (6186)	Juola, F. A.; Dearborn, D. C.; Searcy, W. A.: MHC AND MATE CHOICE IN THE GREAT FRIGATEBIRD (FREGATA MINOR) (5955)	Rittenhouse, C. D.; Pidgeon, A. P.; Albright, T. B.; Gilbert, P. D.; Clayton, M. K.; Fether, C. H.; Stewart, S. L.; Hammer, R. B.; Radloff, V. C.: EFFECTS OF LAND-COVER CHANGE ON PATTERNS OF BIRD DIVERSITY IN THE UNITED STATES (5856)
12:15 p.m.	Howell, C. A.; Stralberg, D.; Jongsomjit, D.; Wiens, J.: THE CHALLENGE OF CONSERVATION PRACTICE IN A CHANGING CLIMATE: APPLICATIONS OF SPECIES DISTRIBUTION MODELS ON PUBLIC LANDS (6260)	Macchia, E. T.; Bodnar, J. C.; Grippo, R. S.: A PREDICTIVE MODEL FOR THE LOSS OF NEOTROPICAL MIGRANTS AT COMMUNICATION TOWERS IN ARKANSAS (5782)	Bowen, B. S.; Sullivan, K. A.: CONCLUDING REMARKS	Roy, C. L.; Butler, C. J.: METAPOPULATION ECOLOGY OF A RARE TEXAS SUBSPECIES (6012)	McDonald, D. B.: REPUTATION CASCADES, QUEUES AND COOPERATION IN THE SOCIAL NETWORKS OF MANAKINS (6075)	Schwank, W. S.; Donovan, T. M.: FACTORS ASSOCIATED WITH LANDBIRD OCCUPANCY AND SPECIES RICHNESS ACROSS VERMONT, USA (5886)
12:30 p.m.	Lunch on your own					

* Indicates a Student Award Candidate.

MONDAY EARLY-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S04 Assessments of Habitat Selection and Quality: Perspectives and Future Directions Ann Chalfoun	G20 Climate Impacts - Mechanisms S. Kaiser	S03 Population and Community Responses of Cavity-Nesting Birds Andrea Norris, Kristine Cockle & Kathy Martin	G16 Tropical Systems D. Robinson	G07 Mating Systems and Sex Ratios D. Lank	G25 Life History - Clutch Size S. Beissinger
2:00 p.m.	Chalfoun, A. D.: UNDERSTANDING AVIAN-HABITAT RELATIONSHIPS: LESSONS FROM INTENSIVE STUDY OF A SAGEBRUSH PASSERINE (5708)	Kaiser, S. A.; Sillert, T. S.; Rodenhouse, N. L.; Holmes, R. T.; Webster, M. S.; CLIMATE SENSITIVITY OF PARENTAL BEHAVIORS AND THEIR FITNESS CONSEQUENCES (5732)	Norris, A. R.; Martin, K.; NICHE EXPANSION AND OVERLAP OF CAVITY-NESTING BIRDS IN RESPONSE TO FOREST INSECT OUTBREAKS IN INTERIOR FORESTS OF BRITISH COLUMBIA, CANADA (5703)	Robinson, W. D.; AVIAN REPRODUCTIVE FAILURE IN TROPICAL FOREST FRAGMENTS (5827)	Lank, D. B.; Jaatinen, K.; Karlionova, N.; Lehtikoinen, A.; Meissner, W.; Verhulst, Y. L.; EVIDENCE OF FEMALE-BIASED PRIMARY SEX RATIOS IN RUFFS (6184)	Beissinger, S. R.; PATHOGENIC MICROBES, AMBIENT CONDITIONS, AND LATITUDINAL TRENDS IN AVIAN LIFE HISTORY TRAITS (5925)
2:15 p.m.		Kus, B. E.; INFLUENCE OF CLIMATE ON TIMING OF NEST INITIATION IN LEAST BELLS VIREOS (6254)	Walters, E. L.; Koenig, W. D.; Liebholt, A. M.; EFFECTS OF GYPSY MOTH OUTBREAKS ON NORTH AMERICAN WOODPECKERS (6114)	Mokross, K. S.; Stouffer, P. C.; TERRITORY STRUCTURE AND MOVEMENT PATTERNS OF AMAZONIAN UNDERSTORY MIXED SPECIES FLOCKS IN FOREST FRAGMENTS (6204)	Freed, L.; Cann, R.; Diller, K.; SEASONAL VARIATION IN SEX ALLOCATION IN THE HAWAII AKEPA: ADAPTATION AND DEMISE (5733)	Rose, A. P.; A CLASSIC LIFE HISTORY PATTERN REVISITED: DAY LENGTH AND THE LATITUDINAL GRADIENT IN AVIAN CLUTCH SIZE (6011)
2:30 p.m.	Thompson III, F. R.; APPROACHES TO STUDYING BREEDING HABITAT RELATIONSHIPS: EVOLUTION FROM SELECTION TO POPULATION PERFORMANCE (5966)	Bayard, T. S.; Elphick, C. S.; QUANTIFYING THE FREQUENCY, DURATION AND EFFECTS OF FLOODING EVENTS UNDER CURRENT CLIMATIC CONDITIONS (5719)	Imbeau, L.; Darveau, M.; Drapeau, P.; THREATS TO SECONDARY LARGE CAVITY-USERS IN THE EASTERN CANADIAN BOREAL FOREST: ARE WE OVERESTIMATING THE NEGATIVE EFFECTS OF FORESTRY? (6027)	Johnson, E. I.; Stouffer, P. C.; DEMOGRAPHIC STRUCTURING OF NEOTROPICAL FOREST FRAGMENTS: WHY UNDERSTANDING MOLT SEQUENCES IS IMPORTANT (6212)	Sousa, B. E.; THE EFFECTS OF GRASSLAND MANAGEMENT ON MATING PATTERNS IN DICKCISSELS (SPIZA AMERICANA) (5990)	Decker, K. L.; Conway, C. J.; SEASONAL DECLINE IN CLUTCH SIZE: A TEST OF SIX ALTERNATIVE HYPOTHESES (5755)
2:45 p.m.		Boughton, R. K.; Bowman, R.; Schoech, S. J.; Bridge, E. S.; Pruett, M. S.; Fitzpatrick, J. W.; WEATHER PATTERNS AND LAYING DATE IN FLORIDA SCRUB-JAWS (APHELOCOMA COERULESCENS) (5949)	Drapeau, P.; Nappi, A.; INTERACTIONS BETWEEN LOGGING AND FIRE AND THEIR EFFECTS ON THE DYNAMICS OF A KEYSTONE PRIMARY EXCAVATOR IN THE EASTERN BOREAL FOREST OF NORTH AMERICA (6217)	Burle, M. H.; Lank, D. B.; Lancoot, R. B.; MATING SYSTEM AND BREEDING ECOLOGY OF AN ENDANGERED SHOREBIRD IN A SATURATED HABITAT. (5899)	Parsell, J.; Sall, D. W.; Moriarty, D. J.; THE MATING SYSTEM OF THE YELLOW-FACED GRASSQUIT (5746)	Sofaer, H. R.; Sillert, T. S.; Langin, K. M.; Yoon, J.; Peluc, S. I.; Morrison, S. A.; GHADAMOR, C. K.; A COMPARISON BETWEEN WARBLERS ON TWO ISLANDS: TESTING LACK'S AND SKUTCH'S HYPOTHESES (6064)
3:00 p.m.	Sherry, T. W.; Henry, D. R.; Michel, N. L.; THE IMPORTANCE OF FOOD TO HABITAT SUITABILITY (6088)	Hargrove, L.; Rozenberry, J. T.; LOCAL-SCALE STRUCTURE, DYNAMICS, AND ENVIRONMENTAL CORRELATES OF BREEDING BIRD DISTRIBUTION MARGINS ALONG A DESERT GRADIENT UNDERGOING RAPID CLIMATE CHANGE (6174)	Edworthy, A.; Martin, K.; Wiebe, K. L.; THE DYNAMIC LIVES OF TREE CAVITIES: A DEMOGRAPHIC ANALYSIS OF FACTORS INFLUENCING CAVITY REUSE AND LONGEVITY (6059)	Valdez, U.; THE DISTRIBUTION AND RELATIVE ABUNDANCE OF FIVE SPECIES OF FOREST-FALCONS IN SE PERUVIAN AMAZONIA (6178)	Riehl, C.; REPRODUCTIVE BIOLOGY AND MATING SYSTEM OF THE GREATER ANI (CROTAPHAGA MAJOR), A COMMUNALLY BREEDING NEOTROPICAL CUCKOO (5740)	Purcell, K. L.; DOES CLUTCH SIZE DECREASE WITH INCREASING ELEVATION? (5721)
3:15 p.m.		LaManna, J. A.; Walle, J.; George, T. L.; Ralph, C. J.; Alexander, J.; EFFECTS OF GLOBAL CLIMATIC CYCLES ON INTERANNUAL SURVIVAL OF A MIGRATORY SONGBIRD (6122)	Cockle, K.; Martin, K.; HIGHGRADE LOGGING AND NEST-SITE LIMITATION IN CAVITY-NESTING BIRDS OF A THREATENED SUBTROPICAL MOIST FOREST (5704)	Knowlton, J. L.; EFFECTS OF HABITAT DISTURBANCE ON MIXED-SPECIES FORAGING FLOCKS IN THE TUMBESIAN REGION OF ECUADOR (5859)	Tarof, S. A.; Stutchbury, B. J.; Kramer, P. M.; Tautin, J.; PATERNITY IN PURPLE MARTINS: FEMALES PREFER OLDER MALES (5857)	Murray, B. G.; Ford, N. L.; THE EVOLUTION OF SEASONAL VARIATION IN CLUTCH SIZE. (5672)
3:15 p.m.			Break			

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MONDAY LATE-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S04 Assessments of Habitat Selection and Quality: Perspectives and Future Directions Ann Chalifoun	G21 Climate Change and Weather J. Sauer	G34 Effects of Fire and Timber Harvest S. Richmond	G16 Tropical Systems C. Stanley	G48 Parasites and Metapopulations S. Soutshagen	G01 Behavior M. Toomey
4:00 p.m.	Bloom, P. M. ; Clark, R. G.; Howter, D. W.; OFFSPRING SURVIVAL CONSEQUENCES OF HABITAT SELECTION: A MULTI-SCALE EVALUATION IN A PRECOCIAL SPECIES. (5975)	Sauer, J. R. ; Andres, B.; Borner, J. B.; Bucher, G.; Pashley, D.; Rosenberg, K. V.; Niven, D. K.; VULNERABILITY OF NORTH AMERICAN BIRDS TO CLIMATE CHANGE (6035)	Kennedy, P. L. ; Fontaine, J. B.; FIRE IN NORTH AMERICAN DRY FORESTS: A META-ANALYSIS OF AVIAN RESPONSES TO SEVERITY, TIME SINCE FIRE, AND FIRE SURROGATE TREATMENTS. (5998)	Stanley, C. Q. ; CONSEQUENCES OF WINTER HABITAT OCCUPANCY: THE STRESS RESPONSE IN WOOD THRUSH IN PRIMARY AND SECONDARY FOREST (5997)	Sonsthagen, S. A. ; Talbot, S. L.; Sage, G. K.; Wilson, R. E.; IDENTIFICATION OF SOURCE-SINK POPULATION DYNAMICS IN A METAPOPULATION OF NORTHERN GOSHAWKS OF THE ALEXANDER ARCHIPELAGO (6042)	Toomey, M. B. ; McGraw, K. J.; DIETARY CAROTENOIDS AFFECT COLOR VISION-BASED FORAGING IN THE HOUSE FINCH (6071)
4:15 p.m.	Fontaine, J. J. ; Gannes, L. Z.; Decker, K. L.; Slegten, S. K.; van Riper, C.; UNDERSTANDING HABITAT SETTLEMENT CUES FOR MIGRATORY BIRDS IN LIGHT OF CHANGING CLIMATES (5791)	Niven, D. K. ; Bucher, G. S.; Bancroft, G. T.; Sauer, J. R.; DISTRIBUTIONAL CHANGES IN THE CENTER OF ABUNDANCE OF NORTH AMERICAN BIRDS IN RELATION TO CLIMATE CHANGE. (6216)	Everitt, J. L. ; Bednarz, J. C.; THE EFFECTS OF PRESCRIBED BURNS ON VEGETATION AND SWAINSON'S WARBLER SPATIAL USE IN ST. FRANCIS NATIONAL FOREST, ARKANSAS. (5881)	Gibbons, R. E. ; HABITAT ASSOCIATIONS AND SEASONALITY EFFECTS FOR BIRDS OF THE HIGH ANDEAN PEATLANDS OF CENTRAL AND SOUTHERN PERU. (6134)	Jasper, M. A. ; Hull, A. C.; Hull, J. M.; Sehgal, R. N.; IDENTIFYING MIGRATORY PATTERNS OF RED-TAILED HAWKS IN CALIFORNIA USING GENETIC, STABLE ISOTOPE AND HAEMOPARASITE DATA (5769)	Abolins-Abols, M. ; Krans, I.; PERSONALITIES OF GREAT TITS IN THE WILD (5923)
4:30 p.m.	Schmidt, K. A. ; Ennmering, Q. C.; Whelan, C. J.; HABITAT SELECTION IN AN UNCERTAIN WORLD: PRIVATE AND PUBLIC INFORMATION AND THE INFORMED BIRD (5999)	Tingley, M. W. ; Beissinger, S. R.; AVIAN ELEVATIONAL SHIFTS FOLLOWING 100-YEARS OF CLIMATE CHANGE IN CALIFORNIA'S SIERRA NEVADA MOUNTAINS (6167)	Herkert, J. R. ; Glas, W. D.; A LONG-TERM STUDY OF PRESCRIBED FIRE EFFECTS ON HENSLOW'S SPARROW IN ILLINOIS (5765)	Jankowski, J. E. ; Robinson, S. K.; Levey, D. J.; SQUEEZED AT THE TOP: INTERSPECIFIC AGGRESSION CONSTRAINS ELEVATIONAL RANGES IN TROPICAL BIRDS (5761)	Archer, H. M. ; Sekercioglu, C. H.; Mendenhall, C.; Sehgal, R. N.; EFFECTS OF FOREST FRAGMENTATION ON THE PREVALENCE OF BLOOD PARASITES IN BIRDS OF COSTA RICA (6164)	Lorenz, T. J. ; Sullivan, K. A.; Baklan, A. V.; CACHE SITE SELECTION IN CLARK'S NUTCRACKER (5967)
4:45 p.m.		Rosemartin, A. H. ; The USA-NPN Development Team; PHENOLOGY MONITORING ACROSS TAXA TO TRACK RESPONSE TO CLIMATE CHANGE: AN EMERGING EFFORT AT THE USA NATIONAL PHENOLOGY NETWORK (5872)	Theriault, S. ; Hache, S. A.; Villard, M.; EFFECTS OF PARTIAL HARVESTING ON HABITAT SELECTION PATTERNS IN A FOREST WARBLER. (6104)	Cooper, D. S. ; Bell, D. A.; USING RAPID ASSESSMENT OF FOREST BIRDS TO COMPARE CONSERVATION POTENTIAL OF COFFEE FARMS: EXAMPLES FROM CENTRAL AMERICA (5815)	Whalen, D. K. ; Swiderek, S. K.; Lucero, M. A.; Witt, C. C.; HEMISPHERIC PARASITE DIVERSITY AND PREVALENCE ACROSS AN ALTITUDINAL GRADIENT IN PERU (6095)	Augustine, J. K. ; BEHAVIOR, VOCALIZATIONS AND EVOLUTIONARY IMPLICATIONS OF HYBRID GREATER PRAIRIE-CHICKENS AND SHARP-TAILED GROUSE (TYMPANUCUS SP.) IN SOUTHWESTERN MINNESOTA (6146)
5:00 p.m.						
5:15 p.m.						

* Indicates a Student Award Candidate.

TUESDAY MORNING PRESENTATIONS

Plenary Session - Golden Ballroom: Welcome & Announcements, COS Awards, Plenary Address: Ken Dial, "Ecological and evolutionary significance of the locomotor development in Birds"					
8:00 a.m.	Break				
9:30 a.m.	Break				
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2
Session	S02 Tri-national Bird Conservation Ken Rosenberg, Andrew Couturier, Humberto Berlanga, Peter Blancher & Terry Rich	G06 Breeding Biology and Parental Care I. Chiver	S12 Avian Immunity: Resilience in the Face of Emerging Zoonoses and Climate Change Caldwell Hahn	G01 Behavior J. Rempel	G18 Molecular Ecology M. Miska
10:00 a.m.	Will, T.; Dayer, A. A.; Berlanga, H.; Kennedy, J. A.; DERIVING A VISION FROM THE BIRDS: CROSSING BOUNDARIES TO SHARE A SPECTACULAR AVIFAUNA, CONCERNS FOR ITS FUTURE, AND INNOVATIVE OPPORTUNITIES FOR ACTION (6183)	Coe, S. J.; Purcell, K. L.; SPECIES THAT BREED AT MULTIPLE ELEVATIONS: DOES THE RELATIONSHIP BETWEEN SPRING TIME TEMPERATURE AND LAYING DATE VARY AMONG ELEVATIONS? (5730)	Lafferty, K. D.; CLIMATE CHANGE AND THE PATHOGEN LANDSCAPE (5793)	Salinas-Melgosa, A.; Wright, T. E.; GEOGRAPHIC VARIATION AND FLEXIBILITY IN SPATIAL NEEDS OF THE YELLOW-NAPED AMAZON (AMAZONA AUROPALLIATA) IN COSTA RICA (5888)	Miska, M.; Klicka, J.; LANDSCAPE GENETICS AND CONSERVATION IN THE FLAMMULATED OWL (6240)
10:15 a.m.	Panjab, A.; Berlanga, H.; Inigo-Elias, E.; Gomez de Silva, H.; Blancher, P.; SPECIES VULNERABILITY ASSESSMENT IN MEXICO: PROCESS, METHODOLOGY, AND RESULTS (6111)	Chiver, I.; Stutchbury, B. J.; Morton, E. S.; ECOLOGICAL AND SOCIAL FACTORS INFLUENCING THE TIMING OF NESTING IN A TROPICAL BIRD (5945)		Grava, A. S.; Grava, T.; Otter, K. A.; INTERSPECIFIC DOMINANCE RELATIONSHIPS BETWEEN MOUNTAIN CHICKADEE AND BLACK-CAPPED CHICKADEE AND THEIR IMPLICATION ON LIFE HISTORY. (5764)	Unfried, T. M.; Marzluff, J. M.; THE EFFECTS OF URBAN LAND COVER AND DEVELOPMENT AGE ON SONG SPARROW POPULATION CONNECTIVITY (6015)
10:30 a.m.	Couturier, A. R.; Blancher, P. J.; Mapping Bird Conservation Priorities at the Continental Level (5901)	Price, M. R. S.; Robinette, V.; Hayes, W. K.; POPULATION STATUS AND BREEDING ECOLOGY OF THE BAHAMA ORIOLE (ICTERUS DOMINCENSIS NORTHTROP) (6158)	Pape Moller, A. P.; IMMUNITY, PARASITISM AND LIFE HISTORY IN A CHANGING WORLD (5759)	Wright, S. G. S.; Curry, R. L.; SPEAKING TWO LANGUAGES: BILINGUAL HYBRID CHICKADEES AND THEIR RESPONSES TO PLAYBACKS IN SOUTHEASTERN PENNSYLVANIA (5790)	Carling, M. D.; Thomassen, H. A.; Cheviron, Z. A.; Lovette, I. J.; Brumfield, R. T.; ENVIRONMENTAL HETEROGENEITY DOES NOT INFLUENCE THE STRUCTURE OF THE HYBRID ZONE BETWEEN PASSERINA CYANEA AND PASSERINA AMOENA (5826)
10:45	Rosenberg, K. V.; Blancher, P. J.; Rodriguez, V.; IMMEDIATE CONSERVATION PRIORITIES FOR PREVENTING LOSS OF AVIFAUNAL DIVERSITY THE TRI-NATIONAL SCALE (6187)	Vornwald, L. M.; POST-FLEDGING SURVIVAL AND HABITAT USE OF WILLOW AND DUSKY FLYCATCHERS (5774)		Yoon, J. S.; Sillert, T. S.; Ghahambor, C. K.; DIFFERENCES IN MALE AGGRESSION BETWEEN TWO POPULATIONS OF ORANGE-CROWNED WARBLERS WITH CONTRASTING LIFE-HISTORIES (5804)	Parce, J.; Thieman, K.; Peters, J.; NUCLEAR INTRONS SUPPORT MALE MEDIATED GENE FLOW AND NOT INCOMPLETE LINEAGE SORTING IN A SPECIES WITH MONOPHYLETIC MITDNA (6052)
11:00	Vidal, R. M.; Rodriguez, V.; Will, T.; Arizmendi, C.; RANGE RESTRICTION AND CONSERVATION OF MEXICAN AVIFAUNA: IMPLICATIONS OF HIGH ENDEMISM AND FOCAL AREAS FOR SPECIES OF HIGH CONCERN. (6126)	O'Brien, E. L.; Dawson, R. D.; VARIABLE EFFECTS OF FOOD AVAILABILITY AND TIMING OF BREEDING ON THE PROBABILITY OF DOUBLE BROODING IN MOUNTAIN BLUEBIRDS (5763)	Hahn, D. C.; Kogut, M. H.; Reisen, W. K.; Summers, S. G.; CLIMATE CHANGE AND THE ROLE OF AVIAN IMMUNITY (6138)	Meadows, M. G. S.; McGraw, K. J.; AN UNEXPECTED RELATIONSHIP BETWEEN AGGRESSION AND ORNAMENTATION IN ANAS HUMMINGBIRDS (CALYPTHE ANNA) (6211)	Borgmann, K. L.; Conway, C. J.; Morrison, M. L.; THE NEST-CONCEALMENT PARADOX: NEW INSIGHTS FROM EMPIRICAL, COMPARATIVE, AND EXPERIMENTAL APPROACHES (6125)

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TUESDAY LATE-MORNING PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S02 Tri-national Bird Conservation Ken Rosenberg, Andrew Couturier, Humberto Berlanga, Peter Blancher & Terry Rich	G06 Breeding Biology and Parental Care K. Purcell	S12 Avian Immunity: Resilience in the Face of Emerging Zoonoses and Climate Change Caldwell Hahn	G10 Movements and Dispersal D. Kesler	G36 Genetic Structure	G32 Urban Effects and Survival K. Miller
11:15 a.m.	Rich, T. D. ; Blancher, P. J.; Easton, W. E.; Inigo-Elias, E. E.; COMMON BIRDS IN DECLINE IN NORTH AMERICA (6227)	Kelley, J. P. ; Wingfield, J. C.; PLASTIC BEHAVIORAL AND PHYSIOLOGICAL RESPONSES OF A NEOTROPICAL PASSERINE TO ADULT AND OFFSPRING PREDATION RISK (6201)	Hahn, D. C. ; Kogut, M. H.; Reisen, W. K.; Summers, S. G.; CLIMATE CHANGE AND THE ROLE OF AVIAN IMMUNITY (6138 Continued)	Kesler, D. C. ; Walters, J. R.; TERRITORY-SCALE MOVEMENTS, HABITAT SELECTION, AND A TEST OF A RED-COCKADED WOODPECKER HABITAT SUSTAINABILITY MODEL (6077)	Curry, R. L. ; TEMPORAL CHANGES IN MORPHOLOGY ACROSS A SHIFTING CHICKADEE HYBRID ZONE (5843)	Miller, K. E. ; NESTING SUCCESS AND NEST-SITE SELECTION OF FLORIDA SCRUB-JAYS IN A SUBURBAN MATRIX (6074)
11:30 a.m.	Blancher, P. J. ; Macias, C.; Krebs, E. A.; Couturier, A. R.; Will, T. C.; BOREAL NURSERY TO TROPICAL CRADLE: SHARED RESPONSIBILITY FOR A SHARED CONTINENTAL AVIFAUNA (6043)	Ungvari-Martin, J.* ; EFFECTS OF BROOD SIZE AND NESTLING AGE ON PARENTAL CARE BY NORTHERN MOCKINGBIRDS (MIMUS POLYGLOTOS) (5900)	Dhondt, A. A. ; Hawley, D. M.; Hochachka, W. M.; Dhondt, K. V.; States, S. L.; Lovette, J. J.; Dobson, A. P.; Lev, D. H.; DYNAMICS OF MYCOPLASMA CONJUNCTIVITIS IN HOUSE FINCHES (5770)	Cline, M. H.* ; Sillert, T. S.; Rodenhause, N. L.; Strong, A. M.; CORRELATES AND CONSEQUENCES OF BREEDING DISPERSAL IN THE BLACK-THROATED BLUE WARBLER (6062)	Jacobsen, F. ; Omland, K. O.; NO EVIDENCE OF NUCLEAR INTROGRESSION ACROSS THE BALTIMORE/BULLOCK'S ORIOLE HYBRID ZONE (5842)	Bowman, R. ; Boughton, R. K.; Pruett, M. S.; Fitzpatrick, J. W.; CARRY-OVER EFFECTS OF ACORN ABUNDANCE ON THE DEMOGRAPHY OF FLORIDA SCRUB-JAYS (5941)
11:45 a.m.	Berlanga, H. A. ; Rodriguez-Contreras, V.; NEEDS AND OPPORTUNITIES FOR EXPANDING BIRD MONITORING IN MEXICO (6262)	LaPergola, J. B.* ; Roldan-Clark, B.; Martinez Gomez, J.; Curry, R. L.; SOCIALITY AND PARENTAL CARE IN THE BLACK CATBIRD IN QUINTANA ROO, MEXICO (6221)	Hall, L. A. ; Paksholl, P. J.; Bessinger, S. R.; Harvey, J. T.; Benne, M.; Raphael, M. G.; Nelson, S. K.; Gagliardi, R. T.; McFarlane-Juanillo, L.; Newman, S. H.; Berg, M. Z.; CHARACTERIZING DISPERSAL PATTERNS IN A THREATENED SEABIRD WITH LIMITED GENETIC STRUCTURE (6132)	Hall, L. A. ; Paksholl, P. J.; Bessinger, S. R.; Harvey, J. T.; Benne, M.; Raphael, M. G.; Nelson, S. K.; Gagliardi, R. T.; McFarlane-Juanillo, L.; Newman, S. H.; Berg, M. Z.; CHARACTERIZING DISPERSAL PATTERNS IN A THREATENED SEABIRD WITH LIMITED GENETIC STRUCTURE (6132)	Kingston, S. E.* ; Fagan, W. F.; Braun, M. I.; SPATIALLY EXPLICIT ANALYSIS OF THE GENETIC STRUCTURE WITHIN A HYBRID ZONE: TOWHEES IN MEXICO (5920)	Pruett, S. ; Boughton, R.; Fitzpatrick, J.; Bowman, R.; SURVIVAL FROM FLEDGING TO INDEPENDENCE IN THE COOPERATIVELY BREEDING FLORIDA SCRUB-JAY (<i>APHELLOCOMA COERULESCENS</i>) (5958)
12:00 noon	Ruth, J. M. ; Arizmendi, C.; Rosenberg, K. V.; Blancher, P. J.; INFORMATION GAPS ON LIMITING FACTORS AND OTHER CRITICAL RESEARCH NEEDS FOR LANDBIRD CONSERVATION (5865)	Maddox, J. D.* ; Weatherhead, P. J.; ARE ALL MATERNAL EFFECTS RELEVANT WHEN ACTING SIMULTANEOUSLY? A TEST WITH COMMON GRACKLES (5682)	Buehler, D. M. ; Tieleman, B. I.; Piersma, T.; HEALTH INSURANCE FOR THE WORLD TRAVELER: IMMUNITY IN MIGRANT SHOREBIRDS AND IMPLICATIONS FOR RESILIENCE IN THE FACE OF CLIMATE CHANGE (5801)	Badzinski, D. S. ; Nye, P. E.; van Stam, E.; NATAL DEPARTURE AND NOMADIC MOVEMENTS OF JUVENILE BALD EAGLES IN THEIR FIRST YEAR OF INDEPENDENCE (5953)	Hailer, E. ; Schreiber, E. A.; Miller, J. M.; Levin, I. I.; Parker, P. G.; Chesser, R. T.; Flescher, R. C.; LONG-TERM ISOLATION OF MAGNIFICENT FRIGATEBIRDS ON THE GALAPAGOS DESPITE EXTENSIVE GENE FLOW ACROSS MUCH OF THE REMAINING RANGE (6206)	Jackson, A. K.* ; Duerr, K. C.; Cristol, D. A.; POSTFLEDGING SURVIVAL OF EASTERN BLUEBIRDS (SIALIA SIALIS) IN DEVELOPED LANDSCAPES: LATER FLEDGING PREDICTS HIGHER SURVIVAL (5861)
12:15 p.m.	Demarest, D. W. ; Gustafson, M.; Vidal, R. M.; Beaudre, C. J.; BUILDING INTERNATIONAL CAPACITY FOR BIRD CONSERVATION IN MEXICO - THE POWER OF REGIONAL PARTNERSHIPS (6037)	Richmond, S. ; Malcolm, J.; Nol, E.; Burke, D.; DOES SINGLE-TREE SELECTION HARVESTING INFLUENCE NESTLING PROVISIONING RATES FOR ROSE-BREASTED GROSBIRDS IN HARDWOOD STANDS? (5919)		Rempel, J. A. ; Sharpe, P. B.; Garcelon, D. K.; IMMATURE BALD EAGLE SPACE USE ON THE CALIFORNIA CHANNEL ISLANDS (6018)	Kimball, R. T. ; Ferguson, C. N.; Braun, E. L.; EVOLUTION OF BARRIERS TO RECOMBINATION IN AVIAN SEX CHROMOSOMES (6189)	Shipley, A. A.* ; Murphy, M. T.; Elzinga, A. H.; FLEDGLING SPOTTED TOWHEE SURVIVAL NEAR URBAN PARK EDGES AND TRAILS (6232)
12:30 p.m.			Lunch on your own			

* Indicates a Student Award Candidate.

TUESDAY EARLY-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Solon 1	Pacific Solon 2	Pacific Solon 3
Session	S01 Saving Hawaii's Birds Thane Pratt & David Leonard	G06 Breeding Biology and Parental Care K. Dohms	S05 Birds and Ecosystem Services Daniel Wenny & Christopher Whelan	G09 Migration and Stopover Biology P. Hunt	G26 Evolution R. Greenberg	G17 Urban Effects N. Mahoney
2:00 p.m.	Pratt, T. K. ; WHAT'S HAPPENING TO HAWAIIAN BIRDS? (5677)	Dohms, K. M. ; Davis, S. K.; Brigham, R. M.; SPRAGUE'S PIPT NESTLING PROVISIONING RATES IN PLANTED AND NATIVE GRASSLANDS: IMPLICATIONS FOR HABITAT CONSERVATION (5841)	Whelan, C. J. ; Marquis, R. J.; A BRIEF HISTORY OF ECONOMIC ORNITHOLOGY (5674)	Hunt, P. ; WINTER DISTRIBUTION OF THE SEX AND AGE CLASSES OF THE YELLOW-RUMPED WARBLER (5829)	Greenberg, R. ; Olsen, B.; BILL SIZE AND DIMORPHISM IN TIDAL MARSH SPARROWS: ISLAND-LIKE PROCESSES IN A CONTINENTAL HABITAT (5700)	Clucas, B. ; Marzluff, J. M. ; COUPLED AVIAN-HUMAN INTERACTIONS IN URBAN AREAS (5813)
2:15 p.m.	Freifeld, H. B. ; Laut, M. E.; Holmes, N. D.; Penniman, J. E.; Bustos, N. I.; Duvall, E. P.; A PROGRESS REPORT ON RECOVERY EFFORTS FOR HAWAII'S LISTED AND CANDIDATE SEABIRDS. (6224)	Schuez, J. G. ; Whitfield, M. J.; EFFECTS OF FOOD AVAILABILITY ON REPRODUCTION AND SURVIVAL IN THE FEDERALLY ENDANGERED SOUTHWESTERN WILLOW FLYCATCHER (<i>EMPIDONAX TRILLII EXIMUS</i>) (5979)		Miller, R. A. ; Carlisle, J. D.; Kaltenecker, G. S.; IMPACTS OF REGIONAL COLD FRONT AND LOCALIZED WEATHER PHENOMENON ON AUTUMN MIGRATION OF RAPTORS AND LANDBIRDS IN SOUTHWEST IDAHO (5726)	Badyaev, A. V. ; THE BEAK OF THE OTHER FINCH: FACILITATED DEVELOPMENTAL VARIATION RECONCILES ADAPTATION AND EVOLUTIONARY DIVERSIFICATION (5820)	Stacey, C. M. ; Robinson, S. K.; CATS AND FAT DOVES: RESOLVING THE URBAN NEST PREDATOR PARADOX (5762)
2:30 p.m.	Reynolds, M. H. ; Binck, K. W.; Seay, N. E.; DOES A SUCCESSFUL TRANSLOCATION = POPULATION ESTABLISHMENT = POPULATION PERSISTENCE? CHALLENGES AFTER THE SUCCESSFUL REINTRODUCTION OF LANSAN TEAL (6168)	Rodrian, A. J. ; Marra, P. P.; Lanham, J. D.; Sharp, J. L.; Baldwin, R. E.; Marsh, C. P.; THE EFFECTS OF SUPPLEMENTAL FEEDING ON EASTERN BLUEBIRD FECUNDITY AND FLEDGLING SURVIVAL (5675)	Johnson, M. D. ; Campos, B. R.; Irinec, V.; Kallermann, J. L.; Ralsback, S. E.; SPATIAL ECOLOGY OF ECOSYSTEM SERVICES PROVIDED BY BIRDS (6220)	Easton, W. E. ; Lambie, V.; INFLUENCE OF CONTINENTAL CLIMATE PATTERNS ON WESTERN BOREAL SONGBIRD MIGRATION (5985)	Benkman, C. W. ; THE EVOLUTION OF CROSSBILL DIVERSITY: ADAPTATION, MALADAPTATION, OR COEVOLUTION? (5684)	Haskell, D. G. ; Casey, J. M.; Wilson, M. E.; BIRD DIVERSITY, MACROINVERTEBRATE ABUNDANCE AND VEGETATION STRUCTURE IN EXURBAN AREAS. (5667)
2:45 p.m.	Fretz, J. S. ; HABITAT MANAGEMENT FOR HAWAIIAN BIRDS: VISION, CHALLENGES, AND APPROACH (6249)	Moore, J. R. ; Walters, J. R.; Moore, I. T.; THE EFFECTS OF SUPPLEMENTARY FEEDING ON REPRODUCTIVE ACTIVITY IN THE PROTHONOTARY WARBLER (5690)		Macias-Duarte, A. ; Conway, C. J.; Culver, M.; CHANGE IN MIGRATORY BEHAVIOR AS A POSSIBLE EXPLANATION FOR BURROWING OWL DISTRIBUTIONAL CHANGES IN NORTH AMERICA (5823)	Williams, S. M. ; Stenger, J. M.; Burt, E. H.; THE ROLE OF GLARE AS A SELECTIVE PRESSURE ON THE EVOLUTION OF BILL COLOR AMONG NON-PASSERINES. (5933)	Schleder, B. W. ; Katti, M.; IMPACTS OF RESIDENTIAL IRRIGATION ON URBAN BIRD DIVERSITY: A GUILD-BASED ANALYSIS (6137)
3:00 p.m.		Ligon, R. A. ; Hill, G. E.; FEEDING SEXY SONS SOMETIMES: FEEDING DECISIONS OF EASTERN BLUEBIRDS ARE SITUATIONALLY INFLUENCED BY FLEDGLING PLUMAGE COLOR (5811)	Sekercioglu, C. H. ; BIRD FUNCTIONAL DIVERSITY IN TROPICAL FOREST AND AGRICULTURAL ECOSYSTEMS (5855)	Henry, A. E. ; Rowlett, R. A.; Borberg, J. M.; Ballance, L. T.; SPRING LOON MIGRATION PHENOLOGY OFF CENTRAL CALIFORNIA, 1994 THROUGH 1996 (6161)	Bemis, C. M. ; COMMON ENVIRONMENTAL PRESSURES OR SHARED EVOLUTIONARY HISTORY? A QUANTIFICATION OF SEXUAL SHAPE DIMORPHISM IN HUMMINGBIRD BILLS IN A PHYLOGENETIC CONTEXT. (5689)	Strasser, E. H. ; Heath, J. A.; CORTICOSTERONE AND REPRODUCTIVE SUCCESS IN AMERICAN KESTRELS NESTING ALONG A HUMAN DISTURBANCE GRADIENT (5878)
3:15 p.m.	Becker, C. D. ; Leonard, D. L.; Mounce, H. L.; ESTABLISHING A SECOND POPULATION OF MAUI PARROTBILL (5669)	Weiser, E. L. ; Powell, A. N.; GARBAGE MAKES MORE GLAUCOUS GULLS (5735)		Kessler, A. E. ; Tseverenyaydag, N.; Nyanbayar, B.; Smith, A. T.; LONG-DISTANCE MIGRATION IN THE ASIAN GREAT BUSTARD (5956)	Barber, F. K. ; Musser, J. M.; Prun, R. O.; IMPACT OF SOCIAL MATING SYSTEMS ON PATTERNS OF AUTOSOMAL AND SEX-LINKED VARIATION IN BLACKBIRDS (ICTERIDAE) (6171)	Wynn, B. A. ; Stacey, C. M.; Robinson, S. K.; ECOLOGICAL LIGHT POLLUTION AND ITS EFFECTS ON NORTHERN MOCKING BIRD FEEDING BEHAVIOR AT NIGHT (5766)
3:15 p.m.						

Break

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TUESDAY LATE-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S01 Saving Hawaii's Birds Thane Pratt & David Leonard	G41 Life History - Incubation T. Rusch	S05 Birds and Ecosystem Services Daniel Wenny & Christopher Whelan	G09 Migration and Stopover Biology P. Nott	G44 Speciation F. Jacobsen	G47 Noise and Anthropogenic Disturbance J. Marzluff
4:00 p.m.	Roberts, P. K. ; Behnke, L. A.; Starting Small: POPULATION SIZE AND DISTRIBUTION OF THE PLAIHOHL AN ENDANGERED KAUI ENDEMIC (6233)	Rusch, T. W. ; Kim, D. H.; EFFECTS OF INCUBATION PATTERNS OF RED-WINGED BLACKBIRDS; NESTLING QUALITY AND NEST SITE SELECTION (6039)	Kelly, D. ; Anderson, S. H.; Ladley, J. J.; Roberson, A. W.; Wotton, D. M.; Wiser, S. K.; ECOSYSTEM SERVICES WITH A DEPLETED AVIFAUNA: BIRD POLLINATION AND DISPERSAL IN NEW ZEALAND (5825)	Nott, P. P. ; Saracco, J. F.; RESOLVING MIGRATION CONNECTIVITY - RESPONSE HOTSPOTS AND WING CHORD MODELS (5678)	McEntee, J. P. ; Bowie, R. C.; EVOLUTIONARY DYNAMICS OF A SKY ISLAND CONTACT ZONE (6098)	Seger-Fullam, K. D. ; Rodewald, A. D.; Soba, J. A.; EFFECTS OF URBAN NOISE ON AVIAN SONG (5753)
4:15 p.m.	Banko, P. C. ; Famer, C.; Brinck, K. W.; PALILA RESTORATION: IS COUNTING SHEEP RESULTING IN A 30-YEAR NIGHTMARE? (5754)	Conway, C. J. ; Conway, M.; Nadeau, C. P.; FACTORS INFLUENCING INTRASPECIFIC VARIATION IN ASYNCHRONY IN BURROWING OWLS (6076)		Kratter, A. W. ; CROSSING THE ISTHMUS: OVERLAND SPRING MIGRATION OF COMMON LOONS (GAVIA IMMER) ON THE FLORIDA PENINSULA (5712)	Maley, J. M.* ; Brumfield, R. T.; ECOLOGICAL SPECIATION BETWEEN KING AND CLAPPER RAILS (5863)	Feole, M. A.* ; Stracey, C. M.; Jankowski, J. E.; Patel, P.; Robinson, S. K.; URBAN BIOACOUSTICS: CONSEQUENCES OF ANTHROPOGENIC NOISE ON NORTHERN MOCKINGBIRD (MIMUS POLYGLOTTOS) SONG (5788)
4:30 p.m.	Switzer, R. A. ; Lieberman, A.; THE HAWAII ENDANGERED BIRD CONSERVATION PROGRAM: CAPTIVE PROPAGATION AS A TOOL FOR THE CONSERVATION OF THE WORLD'S MOST THREATENED AVIFAUNA. (5683)	Skrade, P. D.* ; Dinsmore, S. J.; NOCTURNAL INCUBATION BEHAVIOR OF THE MOUNTAIN PLOVER (CHARADRIUS MONTANUS) (5943)	Tomback, D. E. ; THE ROLE OF SEED-DISPERSING CORVIDS IN FOREST REGENERATION AND DEVELOPMENT (5917)	Smolinsky, J. A. ; Diehl, R. H.; Radzio, T. A.; Delaney, D. K.; Moore, F. R.; Cochran, W. W.; FACTORS INFLUENCING THE MIGRATORY PATHS OF SWAINSON'S THRUSHES FACED WITH A LARGE WATER BODY (6188)	McComack, J. E. ; Heled, J.; Delaney, K. S.; Peterson, A. T.; Knowles, L. L.; DIVERSIFICATION OF <i>APHELLOCOMA</i> IN NORTH AMERICAN MOUNTAIN UPLIFT: ESTIMATING DIVERGENCE TIMES IN A MULTILOCUS SPECIES-TREE FRAMEWORK (6101)	Francis, C. D.* ; Orega, C. P.; Cruz, A.; THE INFLUENCE OF VOCAL FREQUENCY AND FLEXIBILITY IN PREDICTING RESPONSE TO NOISE POLLUTION (5939)
4:45 p.m.	Green, M. T. ; Freifeld, H.; NEW NATIONAL APPROACHES TO BIRD CONSERVATION IN HAWAII (6258)	Wang, J. M.* ; Beissinger, S. R.; THE EFFECTS OF AMBIENT EXPOSURE ON MICROBIAL PROCESSES AND VIABILITY OF PASSERINE EGGS (5737)		Paxton, E. H. ; Smolinsky, J. A.; Diehl, R. H.; Raim, A.; Ward, M. P.; Delaney, D. K.; Moore, F. R.; REVERSE MIGRATION IN INTERCONTINENTAL GULF OF MEXICO LANDBIRD MIGRANTS (5948)	Brelsford, A. ; Milla, B.; Irwin, D. E.; IS THE AUDUBON'S WARBLER A HYBRID SPECIES? (5974)	Wisser, E. M. ; Dooley, E. M.; Uy, J. A.; COMMON YELLOWTHROATS DO NOT CHANGE THEIR SIGNALING IN RESPONSE TO ANTHROPOGENIC DISTURBANCES (5840)
5:00 p.m.	Leonard, D. L. ; THE COST OF SAVING HAWAII'S REMAINING BIRDS (5727)	D'Alba, L. ; Shawkey, M. D.; Oborn, A.; MOISTURE REDUCTION AS A MECHANISM FOR THE ANTIMICROBIAL EFFECTS OF AVIAN INCUBATION (6078)	DeVault, T. L. ; A REVIEW OF ECOSYSTEM SERVICES PROVIDED BY SCAVENGING BIRDS (5725)	Deppe, J. L.; Ward, M. P. ; Diehl, R. H.; Smolinsky, J. A.; Celis-Murillo, A.; Enstrom, D. A.; Beveroth, T. A.; Raim, A.; Paxton, E.; Delaney, D. K.; TRACKING FALL TRANS-GULF MIGRATION OF SONGBIRDS VIA AUTOMATED RADIO-TELEMETRY (6048)	Walstrom, V. W. ; Klicka, J.; Spellman, G. M.; SPECIATION IN THE WHITE-BREASTED NUTHATCH (<i>Sitta carolinensis</i>): A MULTILOCUS STUDY OF DIVERSIFICATION IN NORTH AMERICAN PINE AND OAK WOODLANDS (6223)	Lackey, M. A. ; AVIAN RESPONSE TO ROAD CONSTRUCTION NOISE WITH EMPHASIS ON THE ENDANGERED GOLDEN-CHEEKED WARBLER (5757)
5:15 p.m.		Ardia, D. R. ; Ellertson, A. A.; THE RELATIONSHIP BETWEEN EGG SIZE, YOLK SIZE, AND EGG TEMPERATURE IN TREE SWALLOWS, TACHYICNETA BICOLOR (5697)			Musser, J. M. ; Barker, F. K.; Lanyon, S. M.; MORPHOLOGY AND GENETICS SUPPORT RECENT SPECIATION WITHIN THE WIDESPREAD AND POLYTYPIC NEOTROPICAL ORIOLE <i>ICTERUS CAVANENSIS</i> (6182)	Clark, J. A. ; Bridkin, R.; Farnsworth, A.; TRACKING BIRDS MIGRATING AT NIGHT THROUGH AN URBAN-RURAL CORRIDOR AND QUANTIFYING THE EFFECTS OF LIGHT AND NOISE POLLUTION (5931)

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WEDNESDAY MORNING PRESENTATIONS

Plenary Session - Golden Ballroom: Welcome & Announcements, SCO Awards, Plenary Address: Kathy Martin, “The World Wide Nest Web: how excavators and decay shape cavity nesting bird communities”						
8:00 a.m.	Break					
9:30 a.m.	Break					
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S11 Yellow-billed Cuckoos: Biology and Conservation in the Western United States H. Walker & Matt Johnson	G19 Conservation and Population Biology T. Benson	S08 Marine Birds Enriqueta Velarde, Daniel Anderson, Esquivel Ezcurra & William Sydeman	G28 Phylogenetics and Phylogeography T. Wright	G31 Ornithology D. Cooper	G50 Plumage Patterns and Variation M. Shawkey
10:00 a.m.	Walker, H. A.; Johnson, M. J.; INTRODUCTION TO SYMPOSIUM (6063)	Benson, T. J.; Ward, M. P.; Walk, J. W.; Deppe, J. L.; Brawn, J. D.; PUTTING BIRD POPULATION TRENDS IN CONTEXT: WHAT WAS HAPPENING PRIOR TO 1966? (6009)	Alvarez-Borrego, S.; LONG-TERM VARIABILITY IN OCEANOGRAPHY OF THE GULF OF CALIFORNIA AND CALIFORNIA CURRENT: DYNAMIC ECOSYSTEM CHANGES (5913)	Kirchman, J. J.; Schirzinger, E. E.; Wright, T. E.; PHYLOGENETIC RELATIONSHIPS OF THE EXTINCT CAROLINA PARAKEET (CONUROPUS CAROLINENSIS) INFERRED FROM ANCIENT-DNA SEQUENCES (5867)	James, H. E.; Iwanicki, A. N.; Witmer, L. M.; Spitzer, M. D.; Ridgely, R. C.; Olson, S. L.; COMPARATIVE OSTEOLOGY OF TALPAINAS LIPPA, A NEW FOSSIL SPECIES OF WATERFOWL FROM KAUAI WITH NEUROLOGICAL SIMILARITIES TO PLATYPUS AND KIWI (6200)	Shawkey, M. D.; D’Alba, L. B.; McGraw, K. J.; Saffran, R. J.; MORPHOLOGY OF MELANOSOMES IN BLACK, BROWN AND GREY FEATHERS (6129)
10:15 a.m.	Halterman, M. D.; Oring, L. W.; PARENTAL CARE IN THE YELLOW-BILLED CUCKOO (6061)	Ward, M. P.; Walk, J. W.; Benson, T. J.; Deppe, J. L.; Brawn, J. D.; RANGE EXPANSIONS IN ILLINOIS BIRDS OVER THE LAST 100 YEARS (6030)	Velarde, E.; Ezcurra, E.; HEERMANN’S GULL’S SURVIVAL AND FECUNDITY RATES UNDER VARIABLE FOOD CONDITIONS: A CLIMATE CHANGE RELATED POPULATION PROJECTION IN THE GULF OF CALIFORNIA. (6103)	Sonsthagen, S. A.; Fleischer, R. C.; PHYLOGENETIC RELATIONSHIPS AND RATES OF MOLECULAR EVOLUTION IN THE EXTINCT HAWAIIAN MOHIDAE (6136)		Briggs, C. W.; Collopy, M. W.; Woodbridge, B.; THE MAINTENANCE OF PLUMAGE POLYMORPHISMS IN SWAINSON’S HAWKS (5976)
10:30 a.m.	McNeil, S. E.; Tracy, D.; Rose, E. T.; YELLOW-BILLED CUCKOO TELEMETRY AT RIPARIAN RESTORATION SITES ON THE LOWER COLORADO RIVER, 2009. (6066)	Walk, J. W.; Ward, M. P.; Benson, T. J.; Deppe, J. L.; Lischka, S.; Brawn, J. D.; A CENTURY OF CHANGE: BIRD COMMUNITIES OF ILLINOIS, 1906-1909, 1956-1958 AND 2006-2008 (5870)	Anderson, D. W.; LONG-TERM VARIABILITY IN NESTING AND REPRODUCTION OF THE BROWN PELICAN IN THE GULF OF CALIFORNIA: INFLUENCE OF ENSO. (6023)	Levetz, M. J.*; Miller, M. J.; Bermingham, E.; Brumfield, R. T.; Escalante, P.; Winkler, K.; THE WHITE-BREADED WOOD-WREN (HENICORHINA LEUCOSTICTA) SHOWS HIGH LEVELS OF PHYLOGEOGRAPHIC STRUCTURE THROUGHOUT THE NEOTROPICS (5971)	Plummer, J. H.; Day, R. H.; Cooper, B. A.; Mabey, T. J.; Sanzenbacher, P. M.; COLLISION-AVOIDANCE BEHAVIOR OF HAWAIIAN PETRELS AND NEWELL’S SHEARWATERS IN THE HAWAIIAN ISLANDS (6250)	Shultz, A. J.; Burns, K. J.; DIFFERENT PATTERNS OF PLUMAGE EVOLUTION BETWEEN SEXES IN A CLADE OF LOWLAND TANAGERS (5894)
10:45	Greco, S. E.; THE SHIFTING MOSAIC OF YELLOW-BILLED CUCKOO HABITAT ON THE SACRAMENTO RIVER (6259)	Benson, T. J.; Bednarz, J. C.; RELATIONSHIPS AMONG SURVIVAL, BODY CONDITION, AND HABITAT FOR BREEDING SWAINSON’S WARBLERS (6179)	Findley, L. T.; Velarde, E.; COMPARATIVE DIET COMPOSITION OF SEABIRDS NESTING IN ISLA RASA, GULF OF CALIFORNIA, MEXICO. (6231)	McKay, B. D.; Wu, Y. C.; Mays, H. L.; Yao, C. T.; Zou, E. L.; S. H.; PHYLOGEOGRAPHY OF THE LIGHT-VENTED BULBUL COMPLEX (PYCNOGNOTUS SINENSIS/TAIVANUS) (5891)	Lewis, D.; THE FEATHERY TRIBE: TOWARD A HISTORY OF MODERN ORNITHOLOGY (6263)	Gaudioso, J. M.; Hart, P. J.; PLUMAGE COLORATION OF A HAWAIIAN HONEYCREEPER ALONG GRADIENTS OF BIOGEOGRAPHY (5982)
11:00	Hammond, J. E.; Silveira, J.; Hatfield, C.; HABITAT CHARACTERISTICS OF YELLOW-BILLED CUCKOO IN RESTORED RIPARIAN FORESTS ON THE SACRAMENTO RIVER, CALIFORNIA (6131)	Graves, E. E.; Holbrook, M. A.; Kelsey, T. R.; HISTORICAL POPULATION TRENDS IN TRICOLORED BLACKBIRDS (5812)	Sydeman, W. J.; Mills, K. L.; Santora, J. A.; Thompson, S.; Bertram, D. E.; Morgan, K.; Hupfner, M.; Wells, B. K.; Wolf, S.; SEABIRDS AND CLIMATE IN THE CALIFORNIA CURRENT – A SYNTHESIS OF CHANGE (6276)	Cicero, C.; Bowie, R.; Hanna, Z. R.; Koo, M. S.; Palida, S.; PHYLOGEOGRAPHY OF THE SAGE SPARROW (AMPHISPIZA BELLII); MICROSATELLITE AND GIS ANALYSES (5858)	G31 Brood Parasitism D. Kim Kim, D. H.; FACTORS EFFECTING BREEDING ECOLOGY OF BROWN-HEADED COWBIRDS IN CENTRAL NEBRASKA (6033)	Mauck III, W. M.; ASYNCHRONOUS CONVERGENCE OF PLUMAGE PATTERNS IN NECTAR-STEALING TANAGERS (GENUS: DIGLOSSA) (6205)

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WEDNESDAY LATE-MORNING PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S11 Yellow-billed Cuckoos: Biology and Conservation in the Western United States H. Walker & Matt Johnson	G19 Conservation and Population Biology D. Bird	S08 Marine Birds Enriquez Velarde, Daniel Anderson, Esquivel Ezcurrea & William Sydeman	G28 Phylogenetics and Phylogeography C. Cicero	G31 Brood Parasitism D. Kim	G43 Song Structure and Signalling E. Goodale
11:15 a.m.	Ahlers, D. D.; Moore, S. D.; Johanson, V. M.; WESTERN YELLOW-BILLED CUCKOO SURVEYS ALONG THE MIDDLE RIO GRANDE, NEW MEXICO (5940)	Bird, D. M.; Bardo, L.; ARE WE LOSING THE AMERICAN KESTREL? (5715)	Patton, R.; Velarde, E.; ELEGANT TERN COLONIES IN GULF OF CALIFORNIA AND CALIFORNIA CURRENT SITES: INFLUENCE OF OCEANOGRAPHIC EVENTS IN SIZE AND COMPOSITION (6235)	Smith, B. T.*; Escalante Pliego, P.; Hernández-Baños, B. E.; Navarro-Sigüenza, A. G.; Rowher, S.; Klicka, J.; CONGRUENCE ACROSS GENE TREES AND MORPHOLOGY: POPULATION HISTORY OF THE NORTHERN CARDINAL (6192)	Rock, C. A.; Green, D. J.; OLDER BUT NO WISER: THE IMPACTS OF BROOD-PARASITISM ON THE BREEDING PERFORMANCE OF FEMALE YELLOW WARBLERS (5977)	Goodale, E.; Ramayake, C. P.; Kotagama, S. W.; CONTEXT-DEPENDENT VOCAL MIMICRY: CHANGES OVER THE NESTING SEASON IN A PASSESINE BIRD. (5673)
11:30 a.m.	Schriest, J. D.; Ahlers, D.; Johanson, V.; Ponak Zehrfuss, K.; Doster, R.; WESTERN YELLOW-BILLED CUCKOO HOME RANGE, HABITAT USE, AND MIGRATION STUDIES ON THE MIDDLE RIO GRANDE, NEW MEXICO. (5819)	Massey, B. H.; Paludi, J. L.; HABITAT PRESERVATION AND LANDUSE CHANGES WITHIN THE SOUTHERN CALIFORNIA RANGE OF THE CALIFORNIA CONDOR (6148)	Caso, M.; Ezcurrea, E.; MONITORING OF COUPLED ATMOSPHERE-OCEAN SYSTEMS AS A TOOL FOR THE MANAGEMENT OF COASTAL DRYLANDS (6082)	Hung, C.*; Zink, R. M.; PHYLOGEOGRAPHY OF THE EURASIAN NUTHATCH – A MULTILOCUS TEST OF MITDNA PATTERNS (5944)	Guigueno, M. F.*; Sealy, S. G.; ACCEPTANCE OR REJECTION OF COWBIRD PARASITISM: CUES USED IN DECISION-MAKING IN YELLOW WARBLERS (<i>DENDROICA PETECHIA</i>). (5929)	DuBois, A. L.; Nowicki, S.; Searcy, W. A.; VOCAL PERFORMANCE AS AN INDEX SIGNAL (5670)
11:45 a.m.	Beason, J. P.; Kritz, K. J.; WESTERN YELLOW-BILLED CUCKOOS IN COLORADO (5868)	Boyer, A. G.; James, H. F.; Grant-Mackie, J. A.; LONG-TERM ECOLOGICAL CHANGE IN A CONSERVATION HOTSPOT: THE FOSSIL AVIFAUNA OF ME AURE CAVE, NEW CALEDONIA (6159)	Ezcurrea, E.; ENVIRONMENTAL ANOMALIES, SEABIRDS, AND THE CONSERVATION OF THE GULF OF CALIFORNIA'S MARINE WILDERNESS (6230)	Manthey, J. D.*; Klicka, J.; Spellman, G. M.; MULTI-LOCUS PHYLOGEOGRAPHY OF THE BROWN CREEPER (<i>CERTHIA AMERICANA</i>) (6191)	Shizuka, D.*; Lyon, B. E.; COOTS USE HATCH ORDER TO LEARN TO RECOGNIZE AND REJECT CONSPECIFIC BROOD PARASITIC CHICKS (5752)	Grava, T.*; Grava, A.; Otter, K. A.; HABITAT QUALITY, FOOD AVAILABILITY AND SONG STRUCTURE IN CHICKADEES (6153)
12:00 noon	Hatten, J. R.; Johnson, M. J.; Mattson, D. J.; Holmes, J. A.; Arnold, T.; DEVELOPING A SPATIAL MODEL OF YELLOW-BILLED CUCKOO BREEDING HABITAT (6000)	Reed, J. M.; Elphick, C. S.; Roberts, D. L.; ESTIMATED DATES OF RECENT EXTINCTIONS FOR NORTH AMERICAN AND HAWAIIAN BIRDS (5937)	Velarde, E.; Anderson, D. W.; Ezcurrea, E.; Sydeman, W. J.; CONCLUDING REMARKS	Metcalf, A. E.; Benson, T. A.; Lloyd, J. D.; Slater, G. L.; MITOCHONDRIAL DNA VARIATION IN THE BROWN-HEADED NUTHATCH (<i>Sitta pusilla</i>): EVIDENCE FOR A DISTINCT EVOLUTIONARY LINEAGE (S.P. INSULARS) ON GRAND BAHAMA ISLAND (5987)	Scedler, S. E.*; Conway, C. J.; WHY IS SONG RATE NEGATIVELY ASSOCIATED WITH COWBIRD PARASITISM IN BELLS VIREOS? A TEST OF ALTERNATIVE HYPOTHESES. (5969)	Mager, J. N.; Walcott, C.; TERRITORIAL COMMON LOONS THAT SIGNAL POORER FIGHTING ABILITY SIGNAL GREATER AGGRESSIVE MOTIVATION (5835)
12:15 p.m.	Johnson, M. J.; Walker, H. A.; CONCLUDING REMARKS	Goodman, R. E.; Seavy, N. E.; Gardali, T.; LeBuhn, G.; BODY SIZE CHANGES OVER 38 YEARS IN COASTAL CALIFORNIA (6121)			Gorton, M. J.; Brush, T.; PARASITIC BRONZED COWBIRDS RECOGNIZE HETEROSEXUAL SONG (5691)	Garcia, J. T.; Shizuka, D.; Chaîne, A.; Lyon, B. E.; SINGING AS AN ALTERNATIVE SIGNAL OF DOMINANT STATUS IN WINTERING GOLDEN-CROWNED SPARROWS. (5930)
12:30 p.m.	Lunch on your own					

* Indicates a Student Award Candidate.

WEDNESDAY EARLY-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Saloon 1	Pacific Saloon 2	Pacific Saloon 3
Session	G23 Population Biology - Survival J. Faaborg	G05 Breeding Biology and Behavior S. Coe	G45 Molt, Migration, and Stopping E. Cohen	G27 Systematics and Phylogeny A. Jones	G12 Habitat Relationships D. Barron	G03 Song and Vocalizations K. Whitmore
2:00 p.m.	Faaborg, J. ; Toms, J. D.; Dugger, K. M.; Arendt, W. J.; STEADY SURVIVAL BUT LONG-TERM POPULATION DECLINES IN PUERTO RICAN BIRDS (5947)	Seede, B. ; Orr, M.; SELECTION OF DIVERSE NEST SITES BY COMMON EIDERS (5991)	Brazel, K. R. ; DeCastro, D. M.; Watts, H. E.; Hahn, T. P.; THE EFFECT OF SOCIAL CUES ON THE TIMING OF THE BREEDING-MOLT TRANSITION IN HOUSE FINCHES (CARPODacus MEXICANUS) (5775)	Hayes, W. K. ; McKay, B. D.; Reynolds, M. B.; Lee, D. S.; EVIDENCE FOR THE SPECIES STATUS OF THE BAHAMA YELLOW-THROATED WARBLER (<i>DENDROICA</i>) (6190)	Brooks, M. E. ; Souffier, P. C.; OCCURRENCE OF BACHMAN'S SPARROW IN A POST-HURRICANE, SALVAGED-LOGGED FOREST (5680)	Whitmore, R. C. ; INDIVIDUAL VARIATION IN SONGS OF THE MANGROVE WARBLER (<i>DENDROICA PETECHIA CASTANEICEPS</i>) FROM BAJA CALIFORNIA SUR, MEXICO (5996)
2:15 p.m.	DeSante, D. E. ; Saracco, J. E.; FIRST-YEAR SURVIVAL IS AN IMPORTANT DRIVER OF POPULATION DECLINES IN MIGRATORY LANDBIRDS (5981)	Kearns, L. J. ; Rodewald, A. D.; DOES PRIOR EXPERIENCE INFLUENCE NEST-SITE SELECTION OF SONGBIRDS WITHIN A SINGLE SEASON? (5992)	Gow, E. A. ; Done, T.; Kysar, T. K.; Stutchbury, B.; MOLT-MIGRATION TRADEOFFS: A MECHANISM FOR THE COST OF REPRODUCTION IN MIGRATORY SONGBIRDS (5681)	Reynolds, B. ; Hayes, W. K.; Wiley, J. W.; CONSERVATION TAXONOMY OF THE CUBAN PARROT (AMAZONA LEUCOCEPHALA): FLIGHT CALL VARIATION (6242)	Heidari, N. ; Hasanazadeh Kiabi, B.; EFFECTS OF VEGETATION ON THE DISPERSAL OF BLACK FRANCOLIN <i>FRANCOLINUS FRANCOLINUS</i> BOGDANOVI IN TWO FOREST AND FARMING HABITATS IN EASTERN SISTAN, IRAN (5728)	Kirschel, A. ; Cody, M. L.; Hardow, Z.; Taylor, C. E.; TERRITORY DYNAMICS OF MEXICAN ANTIHURSH (<i>FORNICATION MONILIGER</i>) REVEALED BY THEIR SONGS (6006)
2:30 p.m.	Dyballa, K. E. ; Gardali, T.; Eadie, J. M.; SEASONAL VARIATION IN SURVIVAL RATES IN A NON-MIGRATORY PASSERINE (6084)	Emmerling, Q. C. ; Schmidt, K. A.; BREEDING PASSERINES ASSESS NEST PREDATION RISK THROUGH EAVESDROPPING: AN INTERSPECIFIC COMPARISON (5963)	Horton, K. G. ; Morris, S. R.; A COMPARISON OF MASS CHANGE BY MIGRANTS DURING STOPOVER USING THREE DIFFERENT METHODS (5716)	Andersen, M. J. ; Oliveros, C.; Nyari, A.; Hladik, C. E.; Moyle, R. G.; A MOLECULAR PHYLOGENY OF THE VARIABLE KINGFISHER (<i>CEYX LEPIDUS</i>) REVEALS A NOVEL PHILIPPINES LINEAGE (5802)	Webb, W. C. ; Marzluff, J. M.; SOCIALITY AND DEMOGRAPHIC CONSEQUENCES OF RESOURCE USE FOR COMMON RAVENS IN A TEMPERATE RAINFOREST (5750)	Parker, T. H. ; Taft, B.; Jensen, W. E.; PATTERNS OF SONG SHARING AS A FUNCTION OF HABITAT AND SITE FIDELITY IN DICKCISELS (5896)
2:45 p.m.	Wagner, M. A. ; George, T. L.; Ralph, C. J.; SEASONAL SURVIVAL ESTIMATES OF HATCH YEAR AND ADULT WRENTITS IN NORTHERN CALIFORNIA (6236)	Cox, W. A. ; Thompson, F. R.; Faaborg, J. R.; EXPLAINING VARIATION IN NEST SURVIVAL RATES VIA PREDATOR IDENTIFICATION (6152)	Stutchbury, B. J. ; Gow, E. A.; Done, T.; MacPherson, M.; PHYSIOLOGICAL CONDITION DURING MOLT AFFECTS PACE OF MIGRATION IN A NEOTROPICAL MIGRANT (5960)	Hosner, P. A. ; Moyle, R. G.; PHYLOGENY OF THE KNIPPOLEGUS BLACK TYRANTS (5883)	McClure, C. J. ; Estep, L. K.; Hill, G. E.; BREEDING BIRD DENSITIES AND HABITAT PREFERENCES OF BIRDS ON THE EAST GULF COASTAL PLAIN (5895)	Reens, H. ; Jacot, A.; DEVELOPMENT OF INDIVIDUAL SIGNATURES AND THE EFFECT OF HUNGER ON BEGGING CALLS IN AN AFRICAN WEAVER BIRD (5824)
3:00 p.m.	Jones, C. J.; Cox, J. A. ; SURVIVAL AND MOVEMENT CHARACTERISTICS OF A MARKED POPULATION OF BACHMAN'S SPARROW (5957)	Latif, Q. S. ; Heath, S. K.; Rotenberry, J. T.; THE ROLE OF PARENTS IN SHAPING PATTERNS OF AVIAN NEST PREDATION RISK (5780)	Cohen, E. B. ; Moore, E. R.; Fischer, R. A.; MOVEMENT ECOLOGY OF RED-EYED VIREOS (<i>VIREOS OLIVACEUS</i>) DURING SPRING STOPOVER (5884)	Moyle, R. G. ; Andersen, M. J.; Oliveros, C. H.; Raddy, S.; HIGHER LEVEL PHYLOGENY OF THE CORE BABBLERS (TIMALIIDAE), (5747)	Ellis, T. M. ; Betts, M. G.; QUANTIFYING BROADLEAF MANAGEMENT TARGETS FOR SONGBIRD CONSERVATION IN TIMBER PLANTATIONS (5980)	Reichard, D. G. ; Rice, R. J.; Kerterson, E. D.; THE FUNCTION OF COMPLEX LOW AMPLITUDE VOCALIZATIONS IN DARK-EYED JUNCOS: MALE RESPONSE TO SHORT- AND LONG-RANGE SONG (5837)
3:15 p.m.	Nelson, A. R. ; Lindberg, M. S.; Rabe, D. L.; SURVIVAL OF PRINCE OF WALES SPRUCE GROUSE IN SOUTHEAST ALASKA (6199)	Ball, J. R. ; Bayne, E. M.; BOREAL FOREST SONGBIRDS DO NOT ALTER THEIR NEST VISITATION BEHAVIOR IN RESPONSE TO VARIABLE PREDATION RISK. (6197)	Villani, R. ; King, S. L.; Pickens, B. A.; MULTI-SCALE HABITAT CHARACTERISTICS OF SHOREBIRDS DURING SPRING MIGRATION IN SOUTHWESTERN LOUISIANA (5892)	Fahay, A. L. ; Ricklefs, R. E.; DeWoody, J. A.; INFERRING PHYLOGENETIC AND DEMOGRAPHIC HISTORIES ACROSS MULTIPLE AVIAN LINEAGES FROM HISPANIOLA (6180)	Leist, A. J. ; Ammon, E. M.; Barr, J.; Sabin, L. B.; Raulston, B. E.; RIPARIAN BIRD MONITORING AND POPULATION SIZE ESTIMATES FOR THE LOWER COLORADO RIVER, 2007 - 2009 (5873)	
3:15 p.m.	Break					

^ Indicates a Young Professional Award Candidate.

WEDNESDAY LATE-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	G24 Population Biology P. Arcese	G05 Breeding Biology and Behavior S. Coe	G13 Population Ecology J. Hupp	G29 Pleistocene - Then and Later G. Spellman	G12 Habitat Relationships Q. Latif	G03 Song and Vocalizations R. Whitmore
4:00 p.m.	Arcese, P. ; Norris, D. R.; CONTRIBUTIONS TO POPULATION GROWTH IN SONG SPARROWS (6248)	LaPorte, N. ; Koper, N.; REVISITING THE NESTING ECOLOGY OF WESTERN GREBS AFTER 40 YEARS OF CHANGES AT DELTA MARSH, MANITOBA (5695)	Drake, A. ; Green, D. J.; Quinlan, S.; ROCK, C.; SEASONAL INTERACTIONS IN MIGRATORY SONGBIRDS: ASSESSING THE STRENGTH OF CARRY-OVER EFFECTS IN THE YELLOW WARBLER (DENDROICA PETCHIA; AESTIVA GROUP) (6069)	Spellman, G. M. ; Burns, K. J.; Cameron, S. E.; Hudson, J.; KICKA, J.; GLACIAL ISOLATION AND POSTGLACIAL COLONIZATION ENHANCE GENETIC DIVERSITY IN A NEOTROPICAL MIGRANT PASSERINE (5893)	Mathewson, H. A. ; Loffland, H. L.; BRUSSARD, P.; MORRISON, M. L.; REGIONAL AND SPATIAL FACTORS INFLUENCING NEST SURVIVAL IN MONTANE MEADOWS (6228)	Mann, N. I. ; Clark, J. A.; DINGESS, K. A.; HALL, L.; SLATER, P. J.; WASHINGTON, S.; THE SPLIT SONG REPERTOIRE OF THE DUJETTING STRIPE-BREASTED WREN: CHARACTERISTICS AND FUNCTION (5714)
4:15 p.m.	Machians, C. S. ; Kardynal, K. J.; TREND AND POWER ANALYSIS OF A LONG TERM BOREAL BIRD STUDY IN NORTHERN CANADA. (6145)	Chiavacci, S. J. ; Bednarz, J. C.; DOCUMENTING NESTING ACTIVITY AND CAUSES OF NESTING FAILURE IN MISSISSIPPI KITES USING VIDEO RECORDING SYSTEMS (5879)	MacPherson, M. ; SUTCHBURY, B.; SPRING MIGRATION OF WOOD THRUSH (<i>HYLOCICHLA MUSTELINA</i>): CARRY-OVER EFFECTS INTO BREEDING SEASON (5964)	Hindley, J. A. ; Burg, T. M.; LIFE AFTER ICE: POST-PLEISTOCENE CHICKADEE DISPERSAL IN NORTH AMERICA (5846)	Kirsch, E. M. ; Gray, B. R.; MIGRATING AND BREEDING SONGBIRD USE OF INTERIOR AND EDGE FLOODPLAIN FOREST SITES ALONG THE UPPER MISSISSIPPI RIVER, USA. (5904)	Dahlin, C. R. ; Wright, T. F.; PAIR DUETS ARE A COOPERATIVE ENDEAVOR IN YELLOW-NAPED AMAZONS (5779)
4:30 p.m.	Reiley, B. M. ; Bednarz, J. C.; FLOOD EFFECTS ON SWANSON'S WARBLERS IN BOTTOMLAND HARDWOOD FOREST IN EASTERN ARKANSAS. (5890)	Hirsch-jacobson, R. ; Faaborg, J.; USING AN INDIVIDUAL-BASED MODEL TO PREDICT ANNUAL FECUNDITY IN ACADIAN FLYCATCHER (5887)	Tarwater, C. E. ; Brawn, J. D.; PRE-REPRODUCTIVE SURVIVAL AND THE FACTORS INFLUENCING SURVIVAL IN A TROPICAL PASSERINE BIRD (6203)	Perkins, U. ; Barrowclough, G. E. ; Groth, J. G.; PHYLOGEOGRAPHY AND THE PLEISTOCENE HISTORY OF THE GREEN WOODPECKER COMPLEX (PICUS VIRIDIS) (5874)	Wagner, S. K. ; Ortega, C. P.; Cruz, A.; TRENDS IN AVIAN COMMUNITY STRUCTURE ACROSS A GRADIENT OF NATIVE TO INVASIVE RIPARIAN VEGETATION (5876)	Illes, A. E. ; SEX DIFFERENCES IN SONG AND GROUP KIN STRUCTURE SUGGEST STRONG INFLUENCE OF COMPETITION AMONG FEMALES AND COOPERATION AMONG MALES IN A NEOTROPICAL SONGBIRD (6237)
4:45 p.m.	Sedinger, J. S. ; Nicolai, C. A.; Van Dellen, A. W.; PREDATION, LANDSCAPE CHANGE AND LONG-TERM DECLINE IN RECRUITMENT OF BRANT (5959)	Hill, B. L. ; Hunter, C. M.; Lanctot, R. B.; DOES SUCCESSFUL RE-NESTING BY ARCTIC-BREEDING DUNLIN (<i>GALIDRIS ALPINA</i>) RESULT IN ADDED PRODUCTIVITY? (6162)	Sackel, L. ; Tomasevic, J. A.; Farwell, L.; MARZLUFF, J. M.; POPULATION RESPONSES OF COMMON RAVENS TO REINTRODUCED GRAY WOLVES (5845)	Dohms, K. M. ; Burg, T. M.; PHYLOGEOGRAPHY OF GRAY JAYS: UNCOVERING PATTERNS OF POST-GLACIAL AND BARRIER-MEDIATED DISPERSAL (5838)	Ferree, K. ; Kus, B. E.; THE EFFECT OF BURN SEVERITY ON THE RESPONSE OF RIPARIAN BIRDS AND VEGETATION TO CATASTROPHIC WILDFIRE. (5850)	Oster, K. A. ; Ramsay, S. M.; Mesias, V.; UNCOMMON ENDINGS: UNUSUAL TERMINAL STROPHES IN A WESTERN POPULATION OF WHITE-THROATED SPARROWS. (6123)
5:00 p.m.	Ortega, J. C. ; Ortega, C. P.; AGE STRUCTURE IN A POPULATION OF BROWN-HEADED COWBIRDS IN SOUTHWEST COLORADO: THE EFFECTS OF SURVIVAL PROBABILITY. (5918)	Caldwell, L. ; Sillert, T. S.; Angeloni, L. M.; MORRISON, S. A.; REPRODUCTIVE ECOLOGY OF THE ISLAND SCRUB-JAY (APHELOCOMA INSULARIS) (5834)	Nicolai, C. A. ; Sedinger, J. S.; Ward, D. H.; Boyd, W. S.; NON-IDEAL FREE DISTRIBUTION IN BLACK BRANT GEESSE (5817)	Oswald, J. A. ; Steadman, D. W.; LATE PLEISTOCENE PASSERINE BIRDS FROM SONORA, MEXICO (5685)	Haas, W. E. ; GENDER DIFFERENCES IN SOUTHWESTERN WILLOW FLYCATCHER HABITAT PREFERENCES: MANAGEMENT IMPLICATIONS (6113)	Furnas, B. J. ; McGrann, M. C.; GEOGRAPHICAL VARIATION OF HERMIT WARBLER TYPE I SONGS IN NORTHERN CALIFORNIA (6218)
5:15 p.m.	Brawn, J. D. ; Benson, T. J.; TEMPORAL VARIATION IN THE DEMOGRAPHY OF TROPICAL BIRDS: A 30 YEAR STUDY (Abstract ID:6025)		Jenkins, S. R. ; Betts, M. G.; HAGAR, J. C.; JUVENILE SWANSON'S THRUSH HABITAT SELECTION AND MOVEMENT THROUGH FORESTED LANDSCAPES IN THE OREGON COAST RANGE. (6295)	Campbell, K. E. ; Bochenksi, Z. M.; THE FOSSIL OWLS OF RANCHO LA BREA, CALIFORNIA (Abstract ID:5970)	Allen, L. D. ; Kus, B. E.; RESPONSE OF THE LEAST BELLS VIREO (VIREO BELLII PUSILLUS) TO WILDFIRE IN SOUTHERN CALIFORNIA (Abstract ID:5772)	Schwarz, B. ; Lank, D. B.; Irwin, D. E.; WESTERN SANDPIPERS (CALIDRIS MAUR) ON THE BREEDING GROUNDS: EVIDENCE FOR POPULATION DIFFERENTIATION? (Abstract ID:6169)

* Indicates a Student Award Candidate.

THURSDAY MORNING PRESENTATIONS

Plenary Session - Golden Ballroom: Welcome & Announcements, Plenary: COS Young Professional Award Finalists, Keynote Address: Renée Duckworth, "An Evolutionary Perspective on Avian Range Expansion"					
8:00 a.m.	Break				
9:45 a.m.	Break				
Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2
Session	S06 Advances in Shorebird Conservation Roy Churchill, Abby Powell & Stephen Brown	G51: Disease, Parasites, Immunity G. Hill	S07 Rusty Blackbird: Range-Wide Perspective on a Short-Distance Migrant in Decline Paul Hamel	G30 Biogeography D. Swanson	G38 Grasslands and Grazing O. Richmond
10:00 a.m.	Gates, H. R. ; Lantrot, R. B.; Powell, A. N.; REPLACEMENT CLUTCH LAYING IN AN ARCTIC-BREEDING SHOREBIRD IN RESPONSE TO EXPERIMENTAL REMOVAL. (5758)	Hill, G. E. ; Siefferman, L.; Liu, M.; Hassan, H.; Unnasch, T. R.; THE EFFECTS OF WEST NILE VIRUS ON THE REPRODUCTIVE SUCCESS AND OVERWINTER SURVIVAL OF EASTERN BLUEBIRDS IN ALABAMA (5828)	Greenberg, R. ; Matsuoka, S. M.; A RANGE-WIDE PERSPECTIVE INTO THE ECOLOGY OF A SPECIES IN DECLINE, THE RUSTY BLACKBIRD (6293)	Witt, C. C. ; BIOGEOGRAPHIC HISTORY PREDICTS BLOOD OXYGEN CARRYING CAPACITY AND CELL SIZE IN HIGH-ALTITUDE BIRDS (6143)	Richmond, O. M. ; Tecklin, J.; Beisinger, S. R.; REMOVAL OF WINTER GRAZING INCREASES PATCH COLONIZATION RATES OF CALIFORNIA BLACK RAILS (5928)
10:15 a.m.	Schulte, S. A. ; Simons, T. R.; FACTORS AFFECTING THE REPRODUCTIVE SUCCESS OF AMERICAN OYSTERCATCHERS IN NORTH CAROLINA (6005)	Janousek, W. M. ; Kilpatrick, A. M.; WEST NILE VIRUS EXPOSURE OF BIRDS ACROSS NORTH AMERICA (5821)	Hobson, K. A. ; Greenberg, R.; Van Wilgenburg, S. L.; Mertke-Hofmann, C.; ISOTOPIC EVIDENCE FOR A HISTORICAL SHIFT IN THE BREEDING DISTRIBUTION AND MIGRATORY DIVIDE AMONG RUSTY BLACKBIRDS (6282)	Swanson, D. L. ; Bozinovic, E.; DOES METABOLIC CAPACITY INFLUENCE BIOGEOGRAPHY OF OSCINE AND SUBOSCINE PASSERINE BIRDS? (5706)	Bleho, B. ; Koper, N.; HABITAT REQUIREMENTS OF NORTHERN MIXED-GRASS PRAIRIE PASSERINES: THE ROLES OF HABITAT HETEROGENEITY AND GRAZING (5902)
10:30 a.m.	Nol, E. ; Williams, S.; Sandercock, B.; NATAL PHILOPATRY AND APPARENT SURVIVAL OF JUVENILE SEMIPALMATED PLOVERS (5676)	Kilpatrick, A. M. ; Peters, R. J.; Dupuis II, A. P.; Janousek, W. M.; Daszak, P.; Jones, S. A.; Marra, P. P.; Kramer, L. D.; HIDDEN IMPACTS OF WEST NILE VIRUS ON SMALL SONGBIRDS (5921)	Matsuoka, S. M. ; Shaw, D.; Strickland, P. H.; Johnson, J. A.; Corcoran, R. C.; Dau, N. C.; Meyers, P. M.; Rojek, N. A.; NESTING ECOLOGY OF RUSTY BLACKBIRDS IN ALASKA WITH REFERENCE TO NEST RECORDS FROM CANADA (6279)	Billo, T. J. ; ISLAND BIOGEOGRAPHY AND THE HISTORY OF THE BEARDED MANAKINS (MANACUS) IN BOCAS DEL TORO, PANAMA. (5803)	King, M. O.* ; Owen, J. P.; Schwabl, H. G.; THE TIMING OF HUMORAL IMMUNOLOGIC INDEPENDENCE IN NESTLING HOUSE SPARROWS (PASSER DOMESTICUS) (5693)
10:45	Stenzel, L. E. ; Page, G. W.; Warriner, J. C.; Warriner, J. S.; Neuman, K. K.; George, D. E.; Eyster, C. R.; Bidsrup, F. C.; SEX RATIO, SURVIVAL, AND MATING OPPORTUNITY IN ADULT SNOWY PLOVER (CHARADRIUS ALEXANDRINUS) (6085)	Dupuis II, A. P. ; Kramer, L. D.; EXPERIMENTAL INFECTION OF HOUSE SPARROWS WITH NY99 AND WN02 GENOTYPES OF WEST NILE VIRUS. (5973)	Edmonds, S. T.; O'Driscoll, N. J.; Evers, D. C.; Tessier, D. E. ; MERCURY AS A CONTRIBUTING STRESSOR IN THE POPULATION DECLINE OF THE RUSTY BLACKBIRD (6283)	Rensen, J. V. ; Newfield, N. L.; Sylvest, T. A.; DYNAMIC WINTER BIOGEOGRAPHY: MULTIPLE SPECIES OF HUMMINGBIRDS ADD THE GULF COAST OF THE USA TO THEIR WINTER RANGES (6003)	Begon Burns, C. M. ; Kerterson, E. D.; ARE PATTERNS OF CO-VARIATION BETWEEN HORMONAL RESPONSIVENESS AND HORMONALLY MEDIATED BEHAVIOR CONSISTENT ACROSS DIVERGENT POPULATIONS OF THE DARK-EYED JUNCOS? (5993)
11:00	Lantrot, R. B. ; Brown, S.; Sandercock, B. K.; ARCTIC SHOREBIRD DEMOGRAPHIC NETWORK: UNDERSTANDING THE MECHANISMS BEHIND SHOREBIRD DECLINES (5962)	Van Hemert, C.* ; Handel, C. M.; O'Hara, T. M.; FROM PATHOLOGY TO POPULATIONS: IMPLICATIONS OF BEAK KERATIN DISORDER (5810)	Barnard, W. H. ; Mertke-Hofmann, C.; Matsuoka, S. M.; Newell, P.; Powell, L.; RATES OF HAEMATOOZOA INFECTIONS AMONG BREEDING AND WINTERING RUSTY BLACKBIRDS (6292)	Saris, A. Z. ; Canaval, A. C.; Tello, J. G.; BATES, J. M.; ORIGIN AND MAINTENANCE OF THE CIRCUM-AMAZONIAN DISTRIBUTION: INSIGHTS FROM ENVIRONMENTAL NICHE MODELING AND IMPLICATIONS FOR BIOGEOGRAPHY (5839)	Lindsay, W. R. ; Webster, M. S.; Schwabl, H.; STRESS AND SOCIAL STATUS IN A COOPERATIVELY BREEDING BIRD, THE RED-BACKED FAIRY-WREN (6210)

^ Indicates a Young Professional Award Candidate.

THURSDAY LATE-MORNING PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session	S06 Advances in Shorebird Conservation Roy Churchill, Abby Powell & Stephen Brown	G51: Disease, Parasites, Immunity J. Pearce	S07 Rusty Blackbird: Range-Wide Perspective on a Short-Distance Migrant in Decline Paul Hamel	G30 Biogeography D. Swanson	G38 Grasslands and Grazing O. Richmond & N. Koper	G49 Physiology and Energetics R. Holberton
11:15 a.m.	Kendall, S. J. ; Brown, S. C.; Taylor, A. R.; Reynolds, J. H.; Churchill, R. T.; SHOREBIRD DISTRIBUTION, ABUNDANCE AND HABITAT USE AT COASTAL STAGING SITES IN THE ARCTIC NATIONAL WILDLIFE REFUGE, ALASKA (5713)	Hupp, J. W. ; Pearce, J. M.; Flint, P. L.; Raney, A. M.; Derksen, D. V.; Flecken, J. P.; Ozaki, K.; Yamaguchi, N.; Higuchi, H.; MIGRATORY CONNECTIVITY RESULTS IN INTERCONTINENTAL EXCHANGE OF GENES AND VIRUSES IN NORTHERN PINTAIL DUCKS. (5848)	Dias, N. W. ; WINTER FORAGING ECOLOGY OF RUSTY BLACKBIRDS IN THE SOUTH CAROLINA COASTAL PLAIN (6285)	Lim, H. C. ; Sheldon, F. H.; POPULATION DYNAMICS OF THREE SPECIES OF PASSERINES IN SOUTHEAST ASIA: THE IMPACT OF PAST CLIMATIC AND GEOGRAPHIC CHANGES. (6021)	Koper, N. ; Bleho, B.; Sliwinski, M.; White, K.; Selinger, A.; EFFECTS OF FIRE AND GRAZING BY BISON AND CATTLE ON PRAIRIE BIRDS AND THEIR RESOURCES: BASELINE RESULTS FROM AN ADAPTIVE MANAGEMENT EXPERIMENT IN SASKATCHEWAN (5717)	Holberton, R. L. ; Diamond, A. W.; BODY MASS MAY NOT ALWAYS REVEAL IMPORTANT VARIATION IN ENERGETIC CONDITION DURING THE ONSET OF BREEDING IN THE ATLANTIC PUFFIN; (FRATERCULA ARCTICA). (5836)
11:30 a.m.	Taylor, A. R. ; LESSONS LEARNED FROM THREE YEARS OF POSTBREEDING SHOREBIRD RESEARCH IN ARCTIC ALASKA (5760)	Pearce, J. M. ; Raney, A. M.; Reeves, A. M.; Derksen, D. V.; Flint, P. L.; Hupp, J. W.; Ip, H. S.; Franson, C. J.; Hall, J. S.; Flecken, J. P.; AVIAN INFLUENZA ACROSS TAXA AND HAYWANS: CHARACTERIZING VIRAL GENOMIC DIVERSITY TO OPTIMIZE SURVEILLANCE PROGRAMS FOR NORTH AMERICA (5814)	Luscier, J. D. ; Smith, K. G.; PATTERNS OF HABITAT OCCUPANCY BY RUSTY BLACKBIRDS WINTERING IN THE LOWER MISSISSIPPI ALLUVIAL VALLEY (6089)	Tellkamp, M. P. ; VICARIANCE INTERRUPTED? PREHISTORIC BIRD TRADE ACROSS THE ANDES (6155)	Mahony, N. A. ; Harrison, M. L.; Green, D. J.; VESPER SPARROWS AND WESTERN MEADOWLARKS SHOW A MIXED RESPONSE TO CATTLE GRAZING IN THE INTERMOUNTAIN REGION OF BRITISH COLUMBIA. (5705)	Kimmons, J. B. ; Hall, C. S.; LIFE HISTORY VARIATION IN COMMON TERNS OF THE GULF OF MAINE: FORAGING INPUTS AND THERMAL EXPENDITURES (6181)
11:45 a.m.	Franks, S. E. ; Lank, D. B.; EXPLAINING VARIATION IN THE TIMING OF FLIGHT FEATHER MOULT: A TEST OF THE FEATHER CONDITION HYPOTHESIS (5877)	Arsnoe, D. M. ; Owen, J. C.; Ip, H. S.; INFLUENCE OF MALLARD BODY CONDITION ON THE SPREAD OF LOW PATHOGENIC AVIAN INFLUENZA (6173)	Mertke-Hofmann, C. ; Hamel, P. B.; Greenberg, R.; WINTER HABITAT USE OF THE RUSTY BLACKBIRD (6284)	Whitty, T. S. ; Ballance, L. T.; Redfern, J. V.; Piman, R. L.; SEABIRDS OF THE WESTERN TROPICAL INDIAN OCEAN: DISTRIBUTION, RELATIVE ABUNDANCE, AND COMPARISONS WITH THE SEABIRD COMMUNITY OF THE EASTERN TROPICAL PACIFIC (6080)	Randlucchi, C. L. ; Koper, N.; THE EFFECTS OF TWICE-OVER ROTATION GRAZING ON THE ABUNDANCES OF GRASSLAND BIRDS (5718)	Majewski, A. A. ; Martin, T. E.; IMPORTANCE OF EMBRYONIC DEVELOPMENT FOR OFFSPRING AND ADULT IMMUNE FUNCTION (6128)
12:00 noon	Skagen, S. K. ; Burris, L. E.; Granfors, D. A.; FORECASTING THE EFFECTS OF SEDIMENTATION AND CLIMATE CHANGE ON PRAIRIE WETLANDS: IMPLICATIONS FOR MIGRATING SHOREBIRDS. (6273)	Brady, C. M. ; Petrie, S. A.; EFFECTS OF DIETARY SILENIUM ON HEALTH AND SURVIVAL OF LESSER SCAUP DURING WINTER (6246)	Demarest, D. ; CONCLUDING REMARKS - PRIORITIZING CONSERVATION ACTION IN TIME FOR RUSTY BLACKBIRD	Sparks, R. A. ; Hanni, D. J.; MODELING BIRD DISTRIBUTIONS AT BIOLOGICALLY RELEVANT SCALES (6160)	Keams, B. V. ; Johnson, T.; Parker, T. H.; Kennedy, P.; DOES LIVESTOCK GRAZING/INTENSITY AFFECT PASSERINE EGG SIZE? (5822)	Horn, R. L. ; D'Alba, L.; Shawkey, M. D.; ANTIMICROBIAL PROPERTIES OF SWIFT (APODIDAE) SALIVA: AN ASEPTIC APPROACH? (6149)
12:15 p.m.	Reiter, M. E. ; Wood, J.; Stenzel, L.; Page, G.; Liu, L.; Hickey, C.; IMPROVING MONITORING OF WINTERING SHOREBIRDS IN CALIFORNIA (5986)	Frederick, P. C. ; Jayasena, N. U.; EFFECTS OF ENVIRONMENTAL METHYLMERCURY EXPOSURE ON MATE CHOICE AND STEROID HORMONE EXPRESSION IN WHITE IBISES (EUDOCIMUS ALBUS). (5738)			Leston, L. ; Koper, N.; DO PRAIRIE BIRDS SELECT MANMADE GRASSLANDS WITH MORE FOOD? (5745)	Gam, A. E. ; Navara, K. J.; EFFECTS OF CORTICOSTERONE ON PRIMARY SEX RATIO MANIPULATION AT THE TIME OF MEIOTIC DIVISION IN THE ZEBRA FINCH (6020)
12:30 p.m.			Lunch on your own			

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THURSDAY EARLY-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session		G11 Captive Breeding, Release, Monitoring, and Conservation Planning R. Sprague		G04 Acoustic Monitoring and Detectability C. Francis	G39 Habitat Relationships of Species of Concern J. Carlisle	
2:00 p.m.		Sprague, R. S. ; Bridges, A. S.; Farabaugh, S. M.; Stahl, J. T.; Booker, M. A.; Garcelon, D. K.; POST-RELEASE SURVIVAL AND REPRODUCTIVE SUCCESS OF CAPTIVE-BRED SAN CLEMENTE LOGGERHEAD SHRIKES (6055)		Francis, C. M. ; Campbell, M.; CAN MICROPHONES AND RECORDERS HELP EXPAND COVERAGE OF THE BREEDING BIRD SURVEY? (6244)	Carlisle, J. D. ; Stuber, M. J.; Senger, J. M.; Kritz, K.; FLAMMULATED OWL SURVEY RESULTS FROM THREE STUDY AREAS IN SOUTHERN IDAHO IN 2009 AND FUTURE DIRECTIONS FOR COORDINATED SURVEYS IN WESTERN NORTH AMERICA (5702)	
2:15 p.m.		Svard, J. L. ; Tuininga, K.; Steiner, J.; Williams, E.; Chabot, A.; Bird, D. M.; CAPTIVE BREEDING AND RELEASE OF LOGGERHEAD SHRIKES IN SOUTH EASTERN ONTARIO: INSIGHT INTO A CHALLENGING AND COMPLEX CONSERVATION INITIATIVE (5797)		Notte, E. G.* ; Heath, J. A.; Kalencheck, G. S.; QUANTIFYING DETECTABILITY OF MIGRATING RAPTORS: A PRACTICAL DOUBLE-OBSERVER METHOD (5743)	Haynes, T. B.* ; Nelson, S. K.; Poulsen, E.; Padula, V. M.; AI-SEA HABITAT USE AND PATTERNS IN SPATIAL DISTRIBUTION OF MARBLED MURRELETS IN PORT SNETTISHAM, SE ALASKA (6239)	
2:30 p.m.		Sillert, T. S. ; Royle, J. A.; Morrison, S. A.; REINTRODUCTION OF ISLAND SCRUB-JAYS TO SANTA ROSA ISLAND, CALIFORNIA: AN OPPORTUNITY FOR PROACTIVE SPECIES MANAGEMENT AND RESTORATION OF AN INSULAR ECOSYSTEM (6119)		Campbell, M. ; Francis, C. M.; EVALUATION OF AN UNLINKED ACOUSTIC LOCALIZATION SYSTEM: MEASURING DISTANCE OF INDIVIDUAL SONGBIRDS FROM AN OBSERVER DURING A POINT COUNT. (6019)	Bowden, T. S. ; Taper, M. L.; Ward, R. V.; Willey, D. W.; MEXICAN SPOTTED OWL HOME RANGE, HABITAT USE, AND REPRODUCTION IN THE GRAND CANYON NATIONAL PARK (6213)	
2:45 p.m.		Farabaugh, S. M. ; Grant, T.; Hodges, J. A.; Carro, J. J.; Booker, M. A.; MANAGING A CAPTIVE POPULATION OF CRITICALLY ENDANGERED BIRDS TO PROMOTE HIGH POST-RELEASE SURVIVAL AND MAXIMAL GENETIC DIVERSITY. (5844)		Fogg, A. M. ; Roberts, L. J.; IS CALL-PLAYBACK NECESSARY TO MONITOR HAIRY WOODPECKER AND MOUNTAIN QUAIL IN THE SIERRA NEVADA? (6118)	Dreves, M. C. ; Gygis, L. W.; Stuart-Smith, A. K.; Oshanjian, I. P.; Fort, K. T.; Martin, K.; HABITAT SELECTION BY NESTING WILLIAMSON'S SAPSUCKERS IN SOUTHERN BRITISH COLUMBIA (5796)	
3:00 p.m.		Bardo, L. ; Bird, D. M. ; INFLUENCE OF LONG-TERM CAPTIVE BREEDING ON THE BIOLOGY OF THE AMERICAN KESTREL (5742)		Drilling, N. E. ; Parlacky, D.; ESTIMATING SPECIES DETECTION PROBABILITIES IN THE SOUTH DAKOTA BREEDING BIRD ATLAS. (6108)	Ryan, T. P. ; Vigallon, S. M.; Magier, S.; STATUS AND CONSERVATION OF SNOWY PLOVERS ON LOS ANGELES COUNTY BEACHES. (5808)	
3:15 p.m.		Utt, A. C. ; Harvey, N. C.; Hayes, W. K.; FACTORS ASSOCIATED WITH BEHAVIORAL PROBLEMS AND SURVIVAL FOLLOWING RELEASE OF CAPTIVE-REARED CALIFORNIA CONDORS (GYMNOGYPUS CALIFORNIANUS) (6150)		Krakauer, A. H. ; Burt, J.; Parricelli, G. L.; WHAT LIMITS THE ACCURACY OF AN ACOUSTIC LOCATION SYSTEM? (5898)	Farrell, S. L. ; USE OF SOCIAL INFORMATION FOR HABITAT SELECTION IN GOLDEN-CHEEKED WARBLERS. (6116)	
3:15 p.m.			Break			

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THURSDAY LATE-AFTERNOON PRESENTATIONS

Room	Windsor/Hampton	Golden Ballroom	Sunrise	Pacific Salon 1	Pacific Salon 2	Pacific Salon 3
Session		G11 Captive Breeding, Release, Monitoring, and Conservation Planning W. Hohman		G42 Models, Methods, Landscapes J. Blakesley	G12 Habitat Relationships T. Unfried	
4:00 p.m.		Hohman, W. L.; Cuzzio, E.; Hahn, D.; Martin, B.; Smith, M.; Stephens, S.; Strong, A.; VerCauteren, T.; IMPLEMENTING BIRD CONSERVATION ON PRIVATE LANDS (5783)		Blakesley, J. A.; Pavlacky, D. C.; Lukacs, P. M.; MULTISCALE OCCUPANCY ESTIMATION USING REMOVAL MODELING AND SPATIAL REPLICATION. (6007)	Webber, A. E.; Heath, J. A.; Fischer, R. A.; SNOWY PLOVER NESTING HABITAT ON THE FLORIDA PANHANDLE (5988)	
4:15 p.m.		Underwood, J. G.; Casey, M.; THE SAN DIEGO COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN: HOW WELL ARE WE PROTECTING AVIAN SPECIES? (5710)		Bart, J. R.; Dunn, L.; SAMPLING LARGE LANDSCAPES (6256)	Laughlin, A. J.; Alsop, E. J.; HERMIT THRUSH (<i>CATHARUS GUTTATUS</i>) AND VEERY (<i>C. FUSCESCENS</i>) BREEDING HABITAT ASSOCIATIONS IN SOUTHERN APPALACHIAN SPRUCE-FIR FORESTS (5965)	
4:30 p.m.		Stahl, J. T.; Bridges, A. S.; Garcelon, D. K.; Sprague, R. S.; Biteman, D. S.; Farabough, S. M.; Booker, M. A.; PROGRESS TOWARD RECOVERY OF THE ENDANGERED SAN CLEMENTE LOGGERHEAD SHRIKE. (6057)		Skorkowsky, R. C.; Blakesley, J. A.; Lukacs, P. M.; Klure, D.; Hami, D. J.; INTEGRATED MONITORING IN BIRD CONSERVATION REGIONS (5989)	Elbert, D. C.; Wenny, D. G.; Molano-Flores, B.; Ward, M. P.; Benson, T. J.; SYMPATRIC MEADOWLARK HABITAT USE AND SETTLEMENT PATTERNS MEDIATED BY HABITAT HETEROGENEITY AND INTERSPECIFIC INTERACTIONS (6091)	
4:45 p.m.		Nod, B. L.; Ruder, M. G.; Keel, M. K.; Bednarz, J. C.; DOCUMENTATION OF CAPTURE MYOPATHY IN PILATED WOODPECKERS IN ARKANSAS AND ITS RESEARCH IMPLICATIONS: (5885)		Raphael, M. G.; Baldwin, J.; Biswell, B.; Forsman, E. D.; Anthony, R. G.; OCCUPANCY MODELING TO ESTIMATE POPULATION TREND OF THE NORTHERN SPOTTED OWL: A PILOT STUDY (5968)	Mark, M. M.; HABITAT SELECTION BY THE RUFOUS-AND-WHITE WREN IN A COFFEE AGROFORESTRY LANDSCAPE AND THE CONSEQUENCES FOR REPRODUCTION (5799)	
5:00 p.m.				Fletcher, D. M.; Thompson, D. B.; Vanier, C. H.; Hucheson, J. M.; Klicka, J. T.; Jaeger, J. R.; PREDICTING THE OCCURRENCE OF ELUSIVE SPECIES: A MULTI-MODEL APPROACH TO ASSESSING HABITAT SELECTION OF THRASHERS (6268)		
5:15 p.m.						

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POSTER PRESENTATIONS

Posters will be on display in the Exhibit Hall throughout the meeting. There will be an evening poster reception on Tuesday, 9 February from 7:00-10:00 p.m., when presenters will be available to discuss their work. Poster set-up begins at noon on Sunday; posters must be removed from the Exhibit Hall by Thursday between 3:30-5:30 p.m.

THE FUTURE OF ORNITHOLOGY IN NORTH AMERICA

1. **Burt, E. H.**; Foster, M. S.; RESPONDING TO CURRENT CHALLENGES TO ENSURE THE FUTURE OF ORNITHOLOGY IN NORTH AMERICA. (6151)

BEHAVIOR

2. **Mettke-Hofmann, C.**; PERSONALITY TRAITS CORRELATE WITH HEAD-COLOR AND AGE IN GOULDIAN FINCHES (*CHLOEBIA GOULDIAE*) (6243)
3. **Burtka, J. L.**; Grindstaff, J. L.; IMPLICATIONS OF VARIATION IN NEST DEFENSE BEHAVIOR IN THE EASTERN BLUEBIRD (*SIALIA SIALIS*) (6028)
4. **Li, J.**; Wang, Y.; Zhang, Z.; NEST-DISMANTLING BEHAVIOR OF THE HAIR-CRESTED DRONGOS IN CENTRAL CHINA: A FURTHER STUDY (6288)

SEXUAL SELECTION

5. **Coady, C. D.**; Dawson, R. D.; SUBADULT PLUMAGE OF YEARLING FEMALE TREE SWALLOWS MAY SIGNAL FEMALE QUALITY AND MALE REPRODUCTIVE INVESTMENT. (5686)
6. **Wilson, L. C.***; Swaddle, J. P.; MANIPULATING THE PATERNITY THREAT: IS MATE GUARDING FLEXIBLE IN THE AUSTRALIAN ZEBRA FINCH? (6013)
7. **Dawson, R. D.**; van Oort, H.; Fairhurst, G. D.; Bortolotti, G. R.; STRESS LEVELS AND CAROTENOID ORAMENTATION IN COMMON REDPOLLS (5789)

SONG AND VOCALIZATIONS

8. **O'Shea, B. J.**; ANOMALOUS SONGS IN SYNALLAXIS SPINETAILS AND THE INTERPRETATION OF SUBOSCINE SONG BEHAVIOR (5723)
9. Courter, J. R.; **Ritchison, G.**; "CHICK-A-DEE" CALLS OF TUFTED TITMICE CONVEY INFORMATION ABOUT PREDATOR SIZE AND THREAT (5741)

10. **John, D. J.**; Hobson, E. A.; Wright, T. E.; INDIVIDUAL RECOGNITION OF CONTACT CALLS BY MONK PARAKEETS (*MYIOPSITTA MONACHUS*) (5805)

11. **Cunningham, J. B.**; Azim, S.; THE SINGING BEHAVIOR OF THE NEW ZEALAND GREY WARBLER (*GERYGONE IGATA*). (6124)

FORAGING

12. **McClung, M. R.**; Smith, K. G.; RESPONSE OF AVIAN AND ARTHROPOD POPULATIONS TO WOODLAND RESTORATION IN THE ARKANSAS OZARKS (6195)
13. **Weiser, E. L.***; Powell, A. N.; USING STABLE ISOTOPE ANALYSIS TO EVALUATE BIASES IN CONVENTIONAL DIET SAMPLES (6267)

BREEDING BIOLOGY

14. **Greenwood, J. L.**; Dawson, R. D.; RISK OF NEST PREDATION INFLUENCES PRIMARY REPRODUCTIVE INVESTMENT IN AMERICAN KESTRELS (*FALCO SPARVERIUS*): AN EXPERIMENTAL TEST. (5724)
15. **Owen, D. J.**; Heath, J. A.; THE EFFECTS OF INVESTIGATOR DISTURBANCE ON AMERICAN KESTRELS: A STUDY OF INCUBATION BEHAVIOR AND NESTING SUCCESS (6032)
16. **Gressler, D. T.**; Marini, M. A.; PARENTS DO NOT ADJUST CLUTCH SIZE AND EGG VOLUME ACCORDING TO THE PRESENCE OF HELPERS IN A NEOTROPICAL TANAGER (6198)
17. **Schaming, T. D.**; Cramer, E. R.; Llambias, P. E.; Dickinson, J. L.; COLD, BUT NOT WARM TEMPERATURES AFFECT ONSET OF INCUBATION AND HATCHING FAILURE IN HOUSE WRENS (5983)
18. **Leumas, C. M.**; Rohwer, F. C.; Pieron, M.; Raynor, E. J.; Pierce, A.; THE CALM AFTER THE STORM: HURRICANES HELP LEAST TERNS (6214)
19. **Hurley, L. L.**; DEVICHE, P.; POPULATION DIFFERENCES IN REPRODUCTIVE BIOLOGY OF FREE-LIVING CASSIN'S SPARROWS, *AIMOPHILLA CASSINII* (5756)
20. **Tewes, E. E.**; Hirsch-Jacobson, R.; Cox, W. A.; Faaborg, J.; INVESTIGATING SEASONAL FLUCTUATIONS IN NEST SUCCESS OF THE ACADIAN FLYCATCHER (*EMPIDONAX VIRESCENS*). (6056)
21. **Niederhauser, J. M.**; Bowman, R.; VARIATION IN PARENTAL CARE AND NESTLING BEGGING CALLS IN SUBURBAN AND WILDLAND FLORIDA SCRUB-JAYS. (5936)

BROOD PARASITISM

22. **Kuehn, M. J.**; Peer, B. D.; Rothstein, S. I.; GEOGRAPHIC VARIATION IN HOST RESPONSIVENESS TO BROOD PARASITISM IS EXPLAINED BY EVOLUTIONARY DIFFERENCES AND NOT PHENOTYPIC PLASTICITY (6222)
23. **McLeod, M. A.**; Koronkiewicz, T. J.; EVALUATION OF BROWN-HEADED COWBIRD TRAP DESIGN (5853)

MIGRATION AND STOPOVER BIOLOGY

24. Fuzaro Gullo, M.; Smith, III, C. G.; **Hamel, P. B.**; BIRD USE OF FOREST UNDERSTORY IN A TEMPERATE OLD-GROWTH FOREST AREA AFTER A TORNADO (6058)
25. **Hodkinson, D. J.**; Franks, S. E.; Lank, D. B.; LIVE TO MIGRATE ANOTHER DAY? RECONCILING RISKY BEHAVIOURS WITH LIFE-HISTORY DECISIONS (5882)
26. **Donohue, K. C.**; Dufty, A. M.; USING STABLE ISOTOPE TECHNOLOGY TO PREDICT ORIGINS OF MIGRATING AND DISPERSING RED-TAILED HAWKS (5749)
27. **Johnston, N. N.**; Pomeroy, A.; Otter, K. A.; TRENDS IN GOLDEN EAGLE FLIGHT BEHAVIOURS AT A WIND FARM UNDER CONSTRUCTION IN NORTHERN BRITISH COLUMBIA, CANADA. (6031)
28. **Aborn, D. A.**; MASS CHANGES IN RELATION TO HABITAT AT AN URBAN STOPOVER (6070)
29. **Slager, D. L.**; Rodewald, P. G.; Heglund, P. J.; SPATIAL MOVEMENTS AND HABITAT USE OF NORTHERN WATERTHRUSHES AND YELLOW-RUMPED WARBLERS DURING SPRING MIGRATORY STOPOVER ALONG THE UPPER MISSISSIPPI RIVER (6086)
30. **Ruelas Inzunza, E.**; THE PHENOLOGICAL PLASTICITY OF RAPTOR MIGRATION (6154)
31. **Covino, K. M.**; Jacobs, J. D.; Morris, S. R.; Taylor, P. D.; DIFFERENCES IN THE ENERGETIC CONDITION OF BLACKPOLL WARBLERS BY SEASON AND LOCATION (6177)
32. **Melcer Jr., R. E.**; Gardiner, R. J.; Nightingale, A.; ANNUAL ABUNDANCE AND PRODUCTIVITY INDICES OF FIVE TEMPERATE MIGRANTS AT ROCKY POINT BIRD OBSERVATORY: A PACIFIC COASTAL MIGRATION MONITORING STATION (6225)
33. **Paxton, K. L.**; Cohen, E. B.; Glowinski, S. L.; Lain, E. J.; Nemeth, Z.; Sellers, M.; Smolinski, J.; Zenzal, T. J.; Paxton, E. H.; Diehl, R.H.; Moore, F.R.; THE INFLUENCE OF EL NINO SOUTHERN OSCILLATIONS ON GULF OF MEXICO INTERCONTINENTAL MIGRANTS (6251)

34. **Gardner Barillas, L. M.**; Wang, Y.; HABITAT ASSOCIATIONS OF FALL MIGRATING SONGBIRDS AT AN INLAND MIXED BOTTOMLAND FOREST IN NORTHEASTERN ALABAMA (6286)

35. **Fernandez, G.**; Lank, D. B.; POPULATION STRUCTURE OF WESTERN SANDPIPERS WINETRING IN NORTHWESTERN MEXICO (6157)

MOVEMENTS AND DISPERSAL

36. **Savard, J. L.**; Rompré, G.; Ibarzabal, J.; Belisle, M.; Imbeau, L.; AUTUMN MOVEMENTS OF MIGRATING WOODPECKERS ALONG THE QUÉBEC NORTH SHORE AS DOCUMENTED BY CAPTURE AND VISUAL OBSERVATIONS (6130)
37. **Cox, A. S.**; Kesler, D. C.; POST-FLEDGLING MOVEMENTS OF RED-BELLIED WOODPECKERS IN A FRAGMENTED LANDSCAPE (6107)
38. **Sowl, K. M.**; Ely, C. R.; Terenzi, J.; Dau, C. P.; TUNDRA SWANS WINTERING ON THE SOUTHERN ALASKA PENINSULA (6110)
39. **Hamilton, T. A.**; Owen, J. C.; King, D. T.; FACTORS INFLUENCING COLONY ATTENDANCE BY DOUBLE-CRESTED CORMORANTS IN THE NORTH CHANNEL OF LAKE HURON (6202)

ECOLOGICAL MODELS AND SURVEY METHODS

40. **Gonzalez, O.**; IDENTIFYING PRIORITY BIRD SPECIES FOR CONSERVATION IN THE TROPICAL ANDES: A CASE STUDY IN YANACHAGA NATIONAL PARK, PERU (5709)
41. Chabot, D.; **Bird, D. M.**; UNMANNED AERIAL VEHICLES: A BIRD'S-EYE VIEW ON BIRDS (6038)
42. **Scholer, M. N.**; Leu, M.; Nutt, L.; Belthoff, J. R.; USING WOODPECKER OCCURRENCE TO IMPROVE OCCUPANCY MODELS FOR FLAMMULATED OWLS (*OTUS FLAMMEOLUS*): THE ROLE OF BIOTIC FACTORS IN MODELING AVIAN HABITAT (6102)
43. Bowden, T. S.; **White, J. M.**; Ward, R. V.; A MINIMALLY INVASIVE APPROACH TO MONITORING NEST-SITE BEHAVIOR FOR A THREATENED SPECIES (6196)
44. **Reidy, J. L.**; Thompson, F. R.; EFFECTS OF SURVEY AND ANALYTICAL METHODS ON ESTIMATES OF DENSITY FROM POINT COUNTS OF SONGBIRDS (5781)
45. **Perry, A. C.**; SPATIAL DISTRIBUTION OF OCCUPIED LEACH'S STORM-PETREL BURROWS. (5916)

HABITAT RELATIONSHIPS

46. **Slay, C. M.**; Smith, K. G.; REPRODUCTIVE SUCCESS OF SHRUBLAND BIRDS IN CONSERVATION-MANAGED FIELDS AND AN EVALUATION OF HABITAT SOURCES AND SINKS (5787)
47. **Kellermann, J. L.**; van Riper III, C.; TEMPORAL AND SPATIAL PATTERNS OF SPRING MIGRATION AND PLANT PHENOLOGY ACROSS LARGE ELEVATIONAL GRADIENTS IN THE ARID SOUTHWESTERN UNITED STATES (6065)
48. **Pipher, E.**; Koper, N.; EFFECTS OF GRAZING INTENSITY AND YEARS GRAZED ON SONGBIRD NESTING SUCCESS IN NORTHERN MIXED-GRASS PRAIRIES (5696)
49. **Jirinec, V.***; Campos, B. R.; Johnson, M. D.; ROOSTING BEHAVIOR OF MIGRANT BIRDS ON COFFEE FARMS: IMPLICATIONS FOR ECOSYSTEM SERVICES (5699)
50. **Burke, A. D.**; Cox, A. S.; Kesler, D. C.; SILENT SNAG: FACTORS INFLUENCING NEST PREDATION IN RED-BELLIED WOODPECKERS. A. D. BURKE, A. S. COX AND D. C. KESLER, UNIVERSITY OF MISSOURI- COLUMBIA, MO, USA. (5897)
51. **Latshaw, S. A.**; Nolan, P. M.; Gerwin, J. A.; HABITAT PREFERENCES OF PAINTED BUNTINGS (*PASSERINA CIRIS*) ON A BARRIER ISLAND (5915)
52. **Scarpignato, A. L.**; George, T. L.; HOME RANGE AND HABITAT USE OF BREEDING COMMON RAVENS IN REDWOOD NATIONAL AND STATE PARKS, CALIFORNIA. (6079)
53. **Kelly, J. K.**; Schmidt, K. A.; DIFFERENTIAL REPRODUCTIVE SUCCESS IN A HETEROGENEOUS ENVIRONMENT: A 12-YR STUDY IN A VEERY POPULATION (5914)
54. **Lin, D. L.**; Ding, T. S.; DIFFERENT HABITAT CHARACTERS ATTRACT DIFFERENT STATUSES OF FOREST BIRDS IN FRAGMENTED LANDSCAPE IN TAIWAN (6172)
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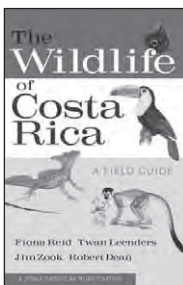
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ABOUT BIRDS & BEANS



The Birds & Beans® story began in Toronto in 1998 when Madeleine and David Pritchard opened their Café and Roastery – serving only ‘Bird Friendly’® coffee. Ten years later Scott Weidensaul (Pulitzer prize finalist author and naturalist, ‘Living on the Wind’, ‘Of a Feather’) and Bill Wilson took up the cause to shift coffee drinking behavior of bird lovers in the

US, focusing initially on New England and New York.

Our Smithsonian Migratory Bird Center (SMBC) ‘Bird Friendly’® certification means that Birds & Beans® coffee is 100%-organic shade-grown, ensuring the conservation of migratory bird habitat in Latin America. Tanagers, thrushes, orioles, warblers, oven-birds and other wonderful birds nesting in North America find sanctuary in the rustic canopy, tropical forest-like environments of family coffee farms that carry the SMBC certification. Sun grown coffee – genetically modified and heavily dependent on chemical fertilization, pesticides and herbicides – adds to the destruction of critical bird habitat in Latin America. ‘Birds & Beans the good coffee’™ is part of the solution. We want to help add thousands of hectares of shade grown, organic coffee habitat to the farms already producing a truly sustainable and environmentally responsible crop. Every bean in every bag of Birds & Beans is ‘triple certified’.

Launching in the US in January 2009 with events in Bedford NY and at Audubon in Greenwich CT, we have given a series of Birds & Beans Talks throughout New England and New York, events featuring Kenn, Bridget Stutchbury and Scott Weidensaul. We will be extending our Birds & Beans Talks program in 2010.

Birds & Beans® is the only coffee brand west of the Mississippi, and one of the very few in the entire country, which solely roasts ‘Bird Friendly’® certified beans. We roast and sell Smithsonian Migratory Bird Center certified coffee. Three of our roasts are Fair-Trade, the fourth is Rainforest Alliance and all are USDA Organic certified. Great for birds, people, the Earth. Great tasting coffee too.

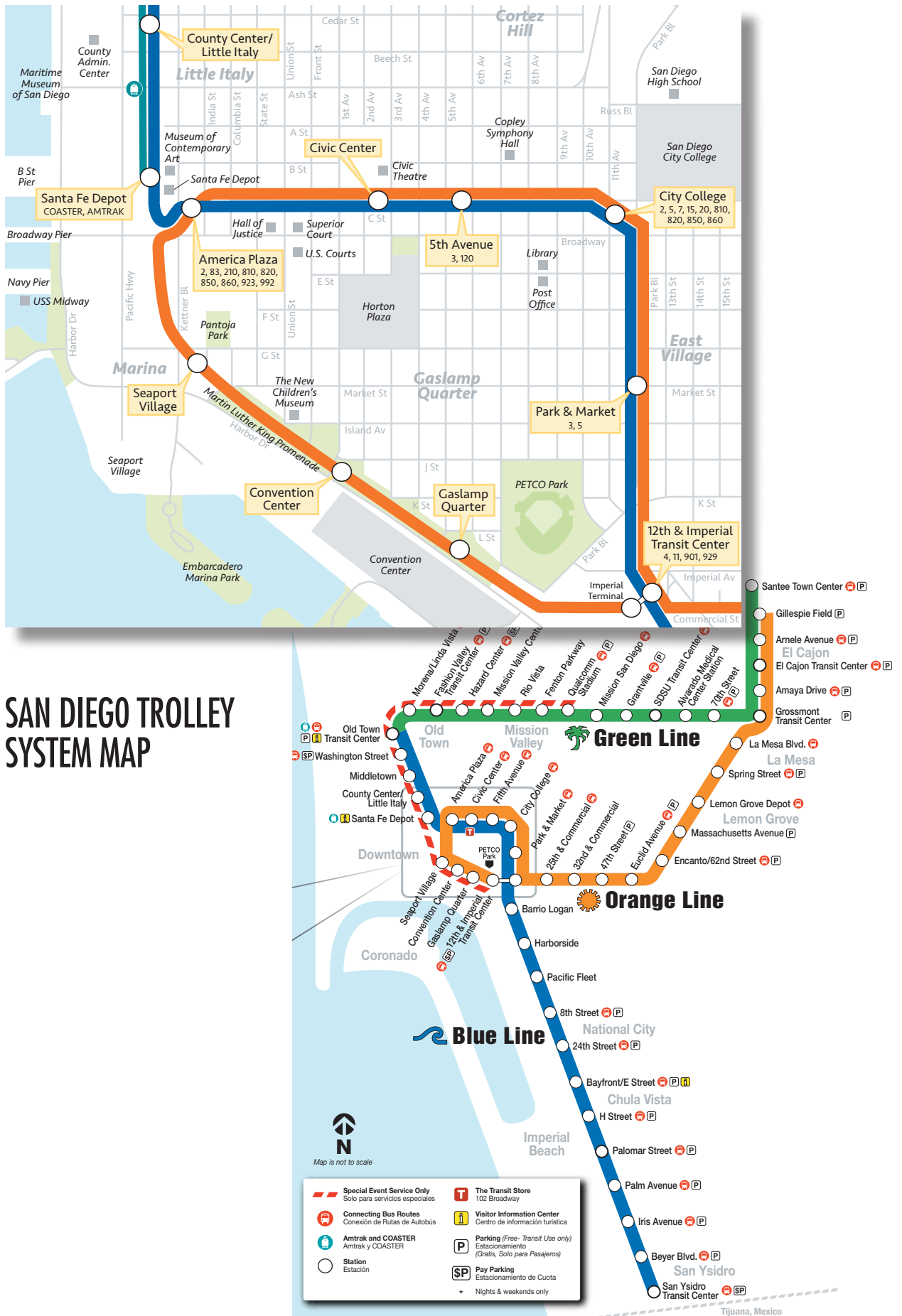
Conservation partners: Massachusetts Audubon Society, Orange County (NY) Audubon Society, Vermont Center for Ecostudies, North Branch Nature Center (VT), New Hampshire Audubon Society

Product Information

- **Scarlet Tanager, French Roast**, from Peru coops. Grown on the eastern slopes of the Northern Andean Forest. Fair-Trade, USDA Organic, Smithsonian Migratory Bird Center ‘Bird Friendly’® certifications
- **Chestnut-sided Warbler, Viennese Roast**, from Colombia. Coffee grown 100% ecologically, as it was 100 years ago, protecting nature, with no chemicals, using natural fertilizers and spring water, and under shade on high altitude. Only SMBC ‘Bird Friendly’® coffee from Colombia. Organic, Smithsonian Migratory Bird Center ‘Bird Friendly’®, USDA Organic and Rainforest Alliance certifications.
- **Wood Thrush, Breakfast Roast**, is grown on coop farms. Fair-Trade, USDA Organic and Smithsonian Migratory Bird Center ‘Bird Friendly’® certifications
- **Baltimore Oriole, French Roast Decaf**, a Smithsonian Migratory Bird Center certified ‘Bird Friendly’® coffee which is also USDA Organic and Fair-Trade certified

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