

Program



12 – 15 August 2009

One Hundred and Twenty Seventh Stated Meeting of the
American Ornithologists' Union



VILLANOVA
UNIVERSITY



Welcome to Philadelphia!

On behalf of the many people who have worked for nearly two years planning AOU2009, we welcome members and guests of the American Ornithologists' Union to Philadelphia. Founded in 1883, the American Ornithologists' Union is the oldest and largest organization in the New World devoted to the scientific study of birds. The 2009 conference is the 127th Stated Meeting of the Union, the meeting in Philadelphia since the AOU's inception. The conference is co-hosted by Villanova University and the University of Pennsylvania, with the latter providing our beautiful venue.

Our goal in planning this meeting has been to provide a scientifically stimulating and productive conference in an exceptional setting. Not only does Philadelphia offer some of the most important historical landmarks in the United States, the city also played a tremendous role in the development of ornithology in North America. As will be highlighted in some presentations, many of ornithology's founders and major contributors—including Wilson, Audubon, Stone, Meyer de Schauensee, and Bond, to name just a few—have called Philadelphia home for more than two centuries.

This is also a particularly important year for science: 2009 is the 200th anniversary of the birth of Charles Darwin, and the 150th anniversary of the original publication of *The Origin of Species*. We celebrate Darwin's influence on science in general, and his particular contributions in ornithology. Our conference is also a registered event in conjunction with the Year of Science 2009, coordinated by the Coalition on the Public Understanding of Science (COPUS).

We hope your time at the University of Pennsylvania and in Philadelphia is thoroughly enjoyable and rewarding. Please contact any member of the Local Committee or the Management Company if you have any questions. Please also check the conference web site daily for program updates, at www.birdmeetings.org/aou2009. Welcome!

~ AOU2009 Local Committee



Delaware Valley
Ornithological Club



Conference Organizers

Chair, Committee on Local Arrangements

Robert L. Curry, Villanova University

Local Host

Dave White, University of Pennsylvania

Scientific Program

Christopher K. Williams (Chair), University of Delaware; Dan Ardia, Franklin & Marshall College; Peter Lowther, Field Museum; Don Dearborn, Bucknell University; Susan Smith, Villanova University

Volunteers

Jennifer Mortensen (Chair), Villanova University

Ostrich Run

John Sauer, USGS Patuxent Wildlife Research Center; Ann-Elise White, Villanova University

Field trips

Chris Walters and Paul Guris (Co-chairs), Delaware Valley Ornithological Club

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Publicity

Sue Ferrara

AOU Student Affairs Committee

Melanie Colón (Chair), Nicholas Block (Quiz Bowl), Stephanie Wright (Silent Auction), Wendy Lenhart (Zoo Night), Daniel Barton, Khara Strum, Pete Hosner, Viviana Ruiz-Gutierrez, Willow Lindsay, Melissa Blundell

Conference Management

Management Company

Schneider Group, Waco, TX

Web-site Management: Christopher Schneider

UPenn Conference Services

Holly Marrone, Beth Devece, Jeff Barta

Sponsors

Major Sponsors

Villanova University, including College of Liberal Arts & Sciences and Cognitive Science Program

University of Pennsylvania, including Department of Psychology

USDA Forest Service

Franklin and Marshall College

Additional Sponsors

Philadelphia Zoo

Academy of Natural Sciences

University of California Press

Audubon Pennsylvania

Delaware Valley Ornithological Club

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Registration and General Information

Updated meeting information will be posted daily at www.birdmeetings.org/aou2009

About the Venue

AOU2009 is based in Houston Hall, one of several buildings making up the Perelman Quadrangle, an integral part of UPenn's main undergraduate campus. Houston Hall dates to 1885 and was the first student union building in the nation. It is situated with Spruce Street on its south side and an outdoor courtyard (Wynn Commons) on its north side.

Other buildings making up the Perelman Quadrangle include Irvine Auditorium, Claudia Cohen Hall, and Williams Hall. AOU2009 will involve scientific sessions and business meetings in all of these except Williams, and also in nearby College Hall (on Sat only).

Houston Hall hours during the conference (tentative): 07:00 – 22:00 daily.

Registration/Information desk

Located in the Class of 1966 Reading Room, on the 1st floor of Houston Hall. Hours: 12:00 – 20:00 Wed, 12 August; 07:30 – 17:30, Thu – Sat, 13 – 15 August.

Abstract Books

Abstracts for all conference presentations will be available in PDF format on the conference web site, at www.birdmeetings.org/aou2009/files/aou2009abstracts.pdf. Attendees may either make their own arrangements to print the file or purchase pre-printed copies at the Registration Desk (\$20).

Message/Job Board

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

UPenn Dormitories and Conference Hotels

Many attendees will be staying in Harrison College House, a UPenn high-rise residence building, four blocks west of Houston Hall (3910 Irving Street, just behind 39th Street and Spruce Street). Check in is at the dormitory itself.

Some attendees are staying at hotels close to the UPenn campus. Contact information:

- The Inn at Penn (Hilton), 3600 Sansom Street (at 36th Street); 215-222-0200
- Sheraton Philadelphia University City, 3600 Chestnut Street (at 36th Street); 215-387-8000

Internet Access

Wireless Internet access will be arranged for all participants staying in the residence hall. Dorm residents will receive details for access at check-in.

For dorm residents who did not bring a laptop, computers are available (with Internet access) in the building's computer lab. Labs are generally open until 10 pm on weekdays and until 6 pm on weekends.

Internet access is provided for attendees staying at the Sheraton Philadelphia University City and the Inn at Penn (Hilton) for guests of the respective hotels.

University Copy Services, in the Lower Level of Houston Hall, provides Internet access for attendees who don't fall into preceding categories. Hours: Mon – Fri, 08:00 – 17:00. 215-573-4660.

Phone, Fax, and Copying

University Copy Services, Houston Hall, Lower Level (near Houston Market). Hours: Mon – Fri, 08:00 – 17:00. 215-573-4660

Both the Sheraton Philadelphia University City and The Inn at Penn maintain Business Centers with copying, fax, and phone services.

Automated Tellers

ATMs are available in Houston Market, in the dormitories, and at the Hilton and Sheraton hotels.

Fitness

The UPenn dormitories provide an exercise room for residents. It is small but includes treadmills and elliptical machines. Use room key for access.

The Sheraton Philadelphia University City and The Inn at Penn each provide fitness centers for guests.

Conference T-shirts

T-shirts displaying the conference logo and Jacob Armiger's "Gonna Fly Now!" auk design on the back will be available for \$15 (until supplies run out) at the Silent Auction table. Availability of sizes (S, M, L, XL, and XXL) will be limited, so buy early to have greatest selection.

Childcare

Attendees needing childcare services may make arrangements with the Penn Childcare center, on a space-available basis. Arrangements must be made at least 24 hours in advance. Open during general business hours. <http://www.business-services.upenn.edu/childcare/> 215-898-5268

Special Needs

The conference venue and session rooms are handicap-accessible. Maps for conference buildings showing wheelchair access are available at <http://www.destinationpenn.com>

UPenn has a list of several local suppliers of medical devices, wheelchairs, scooters, and other equipment for attendees with special needs. Inquire at the Registration Desk for details.

Emergency Contacts

On-campus phones: dial 511

Off-campus phones: dial 911

Public Safety (Non-emergencies): 215-573-3333

Conference Services

DestinationPenn, destinationpenn.com; 215-898-9319. Primary contact person: Holly Marrone

Parking

Parking on UPenn Campus

Vehicles can be parked in either Garage 30 (on the Corner of 38th and Walnut) or Garage 40 (on the corner of 40th and Walnut). Parking averages \$21.00 per day.

Garage 30 from Walnut: Before reaching 38th St., notice Pottruck Fitness Center on the right. Garage 30 is immediately after the gym, on the right. For car access, make a right onto 38th. Approximately 14 ADA-designated spaces are located toward the elevator on each floor. Wheelchair access available at Walnut corner of the garage

Garage 40 from Walnut: Directly after you pass 40th street, you will turn right into the parking garage. The ramp is steep and for cars only. Public parking on floors 3-6. Open 6am-11pm daily. Machine payment 24 hours.

Parking at Villanova

Villanova University will allow AOU2009 attendees to park at no cost in lots on its suburban campus, 12 miles west of Philadelphia, throughout the conference. Registrants using this service can take a SEPTA train from one of the Villanova stations to 30th Street Station in Philadelphia, from which UPenn can be accessed on foot or by SEPTA subway. SEPTA trains between Villanova (R5 regional rail or Route 100 trolley) run at least once an hour from early morning until late at night; the trip takes about half an hour, with ticket prices varying depending on time of day.

To take advantage of this opportunity, inquire at the Registration Desk. Once we collect information from you about your vehicle, we will give you a parking pass to place on your dashboard.

Transportation

LUCY (Loop through University City)

LUCY is a shuttle operating Mon - Fri, 06:10 - 19:00, between 30th Street Station and University City. Green and Gold Routes start and end at 30th St. Station and circumnavigate Penn and University hospital facilities. General fare is \$2.00 and it is expected to run every 12-35 minutes.

SEPTA to Center City and back to UPenn

Bus: To go to Center City, take the 21 along Chestnut, or the 40 along Spruce. To get back to Penn, take the 21 or 42 along Walnut or the 40 along Lombard.

Subway Surface: Find the Green Trolley at 36th & Sansom or 37th & Spruce. Take any eastbound car to get to Center City. Take any westbound trolley (except for the #10) to get back to Penn.

The El (Blue Rail): Catch the El at 40th or 34th and Market. Take any Eastbound train to Center City and any Westbound train back to Penn.

Departure Information

Attendees staying in the UPenn dormitories should check out by returning their keys and temporary ID (if you have one) to the front desk. You will be asked to sign the data card/conference sign in sheet you signed at check in. Do **not** lose your room key! If a room key is not returned, there will be a **\$130.00** charge for a core change. Key return is the responsibility of the guest, not the AOU.

Transportation between UPenn and the Airport is available by SEPTA trains (R1 line) operating from 05:25 until 11:25 daily, every 30 minutes. Shuttle service (Lady Liberty Transportation) is also available to PHL from the University of Pennsylvania, the Sheraton Philadelphia University City Hotel, and the Inn at Penn Hilton Hotel. Rates are \$10.00 per person each way. <http://www.ladylibertyshuttle.com>, 215-724-8888

Food and Beverages

UPenn Dormitories

The dining room for registrants staying in Harrison College House is in the nearby Class of 1920 Commons. Hours: 07:00 – 10:00, 11:00 – 14:00, and 17:00 – 19:00. Meal plans will be available; because UPenn is opening breakfast early to enable AOU2009 attendees to eat before our morning sessions begin at 08:00, registrants may want to take advantage of the breakfast option, in particular. The Fresh Grocer, next to the dorms (at 4001 Walnut St.), is another option, as are nearby coffee shops.

On Sun, 16 August, there will not be food service at the Class of 1920 Commons. Dorm residents should plan on using local coffee shops for breakfast or, if departing, the vendors at the airport.

Houston Hall food services

Einstein Bagel in Houston Hall offers a convenient spot for a quick breakfast, close to the AOU2009 session rooms. The shop will open at 07:00 on Wed – Sat.

Houston Hall also includes a food court (Houston Market) on the lower level. Also, on the 1st level are the Bistro and La Petite Crêperie. These vendors provide options for lunch and dinner, Mon – Fri.

Campus Restaurants & Street Vendors

Numerous sit-down restaurants are located close to the UPenn dorms and the Perelman Quadrangle. Information about these options will be included in brochures that all dormitory residents will receive upon check-in, and available also at the conference Registration Desk. See also <http://www.ucityphila.org/>

An advantage of the UPenn campus venue is that the area hosts many food vendors on Spruce Street and other campus thoroughfares at lunchtime. Patrons can quickly and affordably sample meals ranging from famous Philly cheesesteaks to a wide variety of international possibilities.

Beverages During Conference Events

Because of Pennsylvania liquor laws and institutional policies, there will be no cash bars at any events at UPenn or at our Zoo Night. All registrants will receive six tickets for beverages in the registration materials, with two tickets designated for each UPenn event (Welcome Reception, Wednesday; Poster Sessions, Friday) and two for the Zoo event (Thursday). Adult guests for the Zoo Night event will also receive two beverage tickets. If you do not wish to use any or all of your tickets, please make them available however you see fit to other attendees. AOU Fellows attending the No-host Reception and Dinner will receive one additional ticket that they can use at that event (Wednesday) or at either of the other UPenn events. Attendees desiring beverages beyond the limited quantities that will be available at our official events will find many restaurants, bars, and clubs close to campus.

There will be a cash bar at the Closing Reception and Banquet at the Sheraton University City. Alcoholic beverages are not included in the ticket price for that event.

Coffee Breaks

Registered attendees, registered guests, and single-day registrants are welcome at coffee breaks during the scientific sessions. The coffee break following the Welcome and Plenary Session on Thu, 13 August, will take place in the lobby area of Irvine Auditorium and simultaneously in the Reading Room area of Houston Hall, near the Registration Desk. All other coffee breaks will be located in the Houston Hall Reading Room only.

“Green Meeting” Efforts

Bon Appétit Food Service

The UPenn caterer, Bon Appétit Management Company, has developed a definition of sustainability specific to food service: “Food choices that celebrate flavor, affirm regional cultural traditions, and support local communities without compromising air, water or soil, now and in the future.”

City Programs

Holding AOU2009 in Philadelphia helps support and showcase the city’s plans to become “The Greenest City in America.” Efforts include programs focusing on energy, environment, and equity. More information at: www.phila.gov/green/greenworks

Carbon Offset

Offset for carbon emissions associated with attendance at AOU2009 have not been included in registration fees. We encourage attendees to consider supporting voluntarily one or more programs that are available for offsetting the impact of their conference involvement. Recommended programs include:

- Philadelphia Zoo’s FootPrints program. Offset efforts include habitat management in the Greenland Woods section of nearby Fairmount Park (close to the Zoo’s Migrant Stopover Ecology bird-banding study site) and Kinabatangan Forest Restoration in Borneo
More information at: www.philadelphiazoo.org/footprints.htm
- The Philadelphia NFL Eagles’s ‘Eagles Forest’ program, supporting habitat protection in Neshaminy State Park, Bensalem, PA
More information at: www.philadelphiaeagles.com/community/TreeMap.asp

Bird-safe coffee

Coffee served at UPenn during conference coffee breaks will be “bird safe”: the caterers will provide Starbucks’s Organic Shade Grown coffee from the El Triunfo Biosphere Reserve in Chiapas, México. Starbucks has been collaborating with Conservation International for more than a decade on promoting coffee production from small farms in this biologically important region. This element of the conference is supported by Audubon Pennsylvania.



Field Trips and Early Morning Bird Walks

Pre- and Post-conference Field Trips

Conference attendees will have multiple opportunities to participate in field trips. The trips will be organized and led by members of the Delaware Valley Ornithological Club.

Land-based birding trips

- Cape May, New Jersey (including Cape May Bird Observatory), and associated sites. Emphasis at this world-famous migration hotspot will be on shorebirds and other coastal species, plus resident passerines. This trip will be offered on Wed, 12 August, and on Sun, 16 August.
- Bombay Hook National Wildlife Refuge, Delaware, and nearby localities. Emphasis on migrant shorebirds along the western shore of Delaware Bay. This trip will be offered on Wed, 12 August, and on Sun, 16 August.
- Hawk Mountain Sanctuary and John James Audubon Center at Mill Grove. Tour of world-famous migration monitoring station on the second day of the annual raptor count, along with tours of the Acopian Center for Conservation Learning at HMS and of the Audubon Center en route. This trip will be offered on Sun, 16 August, only.

All trips listed above will leave from 34th Street at UPenn (beside Irvine Auditorium). The Cape May and Bombay Hook field trips will depart at 6:30 a.m. and return around 6:00 p.m. The Hawk Mountain Sanctuary and Audubon trip will leave at 6:00 a.m. and return around 6:00 p.m.

Transportation will be by van or mini-bus and will make a 30-minute rest stop for lunch along the way. Participants will be responsible for buying their own lunch. For the Cape May and Bombay Hook trips, the minimum number of participants is six people with a maximum of 24. The Hawk Mountain trip is limited to 11. In the event that the minimum is not reached for any of these, the trip may be cancelled.

Cost per person per trip is \$110.00.

Pelagic Trip

Sun, August 16, departing from Lewes, Delaware, on the 85' *Thelma Dale IV*. Target: Baltimore Canyon. Emphasis will be on White-faced Storm-Petrel and Long-tailed Jaeger with many other bird species as well as marine mammals. Details can be found at: <http://www.paulagics.com>.

AOU 2009 will provide transportation and lunch for conference attendees wishing to participate in this trip. Please sign up through the meeting web site so that you will have transportation from Houston Hall at UPenn via van. The van will depart UPenn at 2:00 a.m. and return at about 11:00 p.m. Brief stops will be made along the way to and from Lewes for breaks and food, including dinner. A box lunch to take on the boat will be provided but other food costs will be paid by individuals at the stops. This trip is limited to 11 people. If a minimum of six is not reached, transportation provided by AOU may be cancelled, but **the boat trip itself would still depart**. Participants would need to get to Lewes on their own.

Cost per person is \$200.00 (includes van transportation, boat ticket, and box lunch)

Early Morning Bird Walks

While August is not an ideal time for birdwatching in Philadelphia itself, we will offer opportunities to visit spots near UPenn on Thu., Fri., and Sat. mornings to observe resident and migrant species. Sunrise on those days will be at approximately 06:10.

- John Heinz National Wildlife Refuge at Tinicum
- Bartram's Garden

Transportation via van will leave from and return outside Houston Hall at UPenn at the following times:

- Thursday: Departure time is 5:30 a.m. Vans will return by 8:00 a.m.
- Friday and Saturday: Departure time is 6:00 a.m. Vans will return by 8:45 a.m.

There is no charge to participate, but the trips will be limited to a maximum of two vans each morning and seating will be on a "first come" basis. Sign-up lists will be available at the Registration Desk.

Vendors and Exhibitors

Academia Book Exhibits
3512 Willow Green Court
Oakton, VA 22124
www.acadbkex.com

American Ornithologists' Union
405 Villa View Drive
Farmington, NM 87402
www.aou.org

Birds of North America
Cornell Lab of Ornithology
159 Sapsucker Woods Road
Ithaca, NY 14850
bna.birds.cornell.edu/bna

Buteo Books
3130 Laurel Road
Shipman, VA 22971
www.buteobooks.com

Cornell University Press
512 E. State Street, Sage House
Ithaca, NY 14850
www.cornellpress.cornell.edu

Holohil Systems, Ltd.
112 John Cavanaugh Drive
Carp, Ontario
Canada K0A 1L0
www.holohil.com

Kowa Optimed Inc.
Sporting Optics Division
20001 South Vermont Ave.
Torrance, CA 90502
www.kowa-usa.com

Lotek Wireless, Inc.
115 Pony Drive
Newmarket, Ontario
Canada L3Y 7B5
www.lotek.com

Lynx Edicions
Montseny, 8
Barcelona, Spain
www.lynxeds.com

Princeton University Press
41 William Street
Princeton, NJ 08540-5237
press.princeton.edu

UCLA Department of Epidemiology
Box 951772
Los Angeles, CA 90095-1772
www.ioe.ucla.edu

U.S. Fish and Wildlife Service
4501 Fairfax Drive, MS 4107
Arlington, VA 22203
www.fws.gov

Wildlife Acoustics, Inc.
970 Sudbury Road
Concord, MA 01742
www.wildlifeacoustics.com

Wiley Blackwell
350 Main Street
Malden, MA 02148
www.wiley.com

WOS • AFO • COS Joint Meeting 2011
Wilson Ornithological Society
Museum of Zoology
University of Michigan
Ann Arbor, MI 48109-1079
www.wilsonsociety.org

Women of the Cloud Forest
3274 Dawson Street
Pittsburgh, PA 15213
www.womenofthecloudforest.com

Request for Assistance from Exhibitor

The UCLA Avian Influenza Study needs your help! They are conducting a study of individuals who have contact with migratory birds across North America to evaluate the possible transmission of avian influenza viruses from wild birds to humans. They are asking conference participants to provide a small blood sample and to complete a brief questionnaire on past bird-handling experience. If you are willing to participate, please stop by the Exhibit Area anytime Thursday, 13 Aug, 8:00 am – 6:00 pm or Friday, 14 Aug, 8:00 am – 6:00 pm.

Additional information is available at:

http://www.ioe.ucla.edu/CTR/research/AvPath/avian_influenza_main.html

Local Information

Touring Philadelphia in summer is easy with the *Philly Phlash* trolley service (single ride, \$2; all-day individual pass, \$5; all-day Family Pass, \$10). The *Phlash* runs 10 am - 6 pm and takes visitors to historic sites and cultural institutions, with 27 different stops. Attractions below marked with (Φ) indicate access via *Phlash*.

Depending on the size of one's family, it is often cheaper to purchase a **family membership**. Visitors who are members of museums or zoos in other cities also should remember that many institutions maintain **cooperative relationships** with sister institutions in Philadelphia. Before paying admission, ask whether membership back home gets you in for free, or at a discounted rate.

All addresses below refer to the City of Philadelphia unless otherwise noted.

Featured Attractions

Philadelphia Zoo^Φ

3400 West Girard Avenue; Tel. (215) 243-1100

America's First Zoo celebrated its 150th birthday on 21 March 2009. Visitors will get to enjoy the zoo's best birthday present, the reopening of the McNeil Avian Center. Daily activities during AOU2009 include a *Festival of Flight* show at the avian center and a Birds of Australia exhibit.

Hours: Daily, 9:30 am – 5 pm. Admission: \$18 adult, \$15 children

We invite all registered attendees and registered guests to attend our **Zoo Night and Quiz Bowl** on Thu, 13 August, included with their registration fees. From 6 - 10 PM, we will have exclusive use of most of the zoo's exhibits, include the McNeil Avian Center. The event includes a picnic dinner and limited beer and wine. Tickets for non-registered guests (including spouses and children) are available at the AOU23009 Registration Desk. Free bus transportation for our Zoo Night will depart from 34th St., just east of Irvine Auditorium, beginning at 5:30 pm. Return transportation to UPenn will be provided also.

Academy of Natural Sciences^Φ

1900 Benjamin Franklin Pkwy; Tel. (215) 299-1080

Founded in 1812, the Academy will especially quench the appetite of all dinosaur lovers. Dinosaur Hall provides an opportunity to explore skeletons up close, especially in the area called The Big Dig where visitors can hunt for bones. Visit the Fossil Prep Lab to learn about how the academy collects fossils and prepares them for study. Visit the Live Animal Center at the Academy and learn more about the animals during a Naturalist Show. Special Exhibit during AOU2009: ***Geckos—Tails to Toepads***.

Hours: Monday-Friday: 10 am - 4:30 pm; Saturdays, Sundays: 10 am - 5 pm. Admission: Adults (age 13 and above): \$12.00; Children (age 3 through 12): \$10.00; Children (under age 3): free; Seniors (age 65+): \$10.00; Military & Students (with ID): \$10.00. A one-year family membership may be purchased for \$70 and allows entry to two adults and all children in the family under 18.

ANS is providing **free admission** during AOU2009 for all registered attendees. Enter on 19th St. and show your conference badge to take advantage of this opportunity. Ornithologists who would like to visit or use the bird collection should contact Dr. Nate Rice, Collection Manager.

Bartram's Gardens

54th St. and Lindbergh Blvd.; Tel. 215-729-5281

Historic home and garden of the John and William Bartram, members of America's pioneering family of naturalists, botanists and explorers, and mentors to Alexander Wilson. The non-profit John Bartram Association operates the Garden in cooperation with the Fairmount Park Commission.

Public transportation: No. 36 Trolley to 54th St. Cross the railroad bridge to Gardens entrance on left.

John James Audubon Center at Mill Grove

1201 Pawlings Road, Audubon, PA 19403; Tel. 610-666-5593

Mill Grove was Audubon's First Home in America and “the only true Audubon home still standing in this country.” The estate, located in Lower Providence Township, Montgomery County, Pennsylvania was owned for 17 years by Audubon's father, Jean, a French sea captain. Now a museum on the National Register of Historic Places, the home contains the complete editions of every major work published by Audubon including the *Birds of America*, printed and hand colored from copper plate engravings produced in London between 1827 and 1839.

Mill Grove: Tue thru Sat 10AM- 4PM, Sun 1- 4PM; Sanctuary Grounds: Tue thru Sun 7AM – dusk

Mill Grove is offering **free admission** during AOU2009 to all registered attendees. Check your registration packet for tickets.

The site is about 20 miles west of Philadelphia (I76 West to Rte. 202 West to Rte. 422 West; exit at Audubon). No public transportation.

Historic Philadelphia

A highlight of any visit to Philadelphia is the Old City section, with its many sites associated with country's colonial period and early days of Independence. This part of Center City, along the west bank of the Delaware River, is easy to access from UPenn.

Independence National Park[®]

Take the Philly *Phlash* to stop #3 on the route—The Independence Visitor Center—and begin planning your history visit there. Open daily from 8:30 am – 7 pm.

Within the National Park find the following attractions and special events. Visitors with children should ask about the Adventure Tours By Day.

Independence Hall[®]

As the place where two of democracy's greatest documents were written, Independence Hall – the former Pennsylvania State House—is among the most famous buildings in the world. From 1775 to 1783, it served as meeting place for the Second Continental Congress. The Declaration of Independence debated and signed here in 1776. During the summer of 1787, delegates from 12 states assembled to revise the Articles of Confederation; instead, they rewrote the document, completing the U.S. Constitution on 17 September 1787.

Independence National Historical Park is open daily from 9am to 7pm.



From March through December, **timed tour tickets are required** for admission to Independence Hall. They can be reserved in advance online up to one year in advance by using the National Park Reservation system or by calling toll free 1-877-444-6777 from 10 am -10 pm Eastern time. Tickets to Independence Hall are FREE, but the advance reservation fee is \$1.50 per ticket. (Golden Eagle or National Park Pass does not cover this fee.) Families may reserve up to 10 tickets.

Walk-up tickets are available for FREE on the morning of your visit at the Independence Visitor Center, starting at 8:30 am. During busy months, it is important to ARRIVE EARLY –between 8:30 and 10:30 am for greatest choice of times; tickets are often gone by 1:00 pm.

Liberty Bell[®]

Open daily from 9 am - 7 pm. No tickets needed, but be prepared to stand in line for a glimpse of this historic bell. Also, visitors must pass through airport-style security and bags may be checked.

National Constitution Center[®]

Independence Mall, 525 Arch Street; Tel. 215-409-6600

The National Constitution Center— an independent, non-partisan, and non-profit organization— aims to increasing public understanding of, and appreciation for, the Constitution of the United States, its history, and its contemporary relevance. The museum is interactive exhibition that tells the story of the Constitution’s creation. The current special exhibit (*Napoleón*) is not included with general admission.

Hours: Mon – Fri, 9:30 am - 5 pm; Saturday, 9:30 am - 6 pm; Sunday, 12 noon - 5 pm. Admission: Adults, \$12.00; Seniors (age 65 and older), \$11.00; Children ages 4-12, \$8.00; Active Military with ID, Free; Children under 4, Free

Betsy Ross House[®]

The free family programming has become a summertime staple at the Betsy Ross House. As always, visitors have the chance to meet Betsy in person and ask her all about her exciting life and times. The courtyard hosts crafters demonstrating traditional techniques and A Soldier’s Story, featuring a Continental Army warrior talking about his experiences fighting for independence.

On the courtyard stage, visitors will be treated to a variety of performances from music to interactive shows, and wowed by the magic of our Colonial Conjuror. Little known stories from colonial times will be told by Once Upon A Nation’s storytellers throughout the day.

Open daily 9 am. Admission: adults, \$3; students/seniors/military, \$2.

Philadelphia Mint[®]

151 North Independence Mall E (across from the National Constitution Center); Tel. (215) 408-0114

The United States Mint at Philadelphia is open for public tours Monday through Friday from 9 am to 4:30 pm. All tours are free and self-guided; no reservations are necessary. The tour takes about 45 minutes. On weekdays, visitors can see actual coin production. Exhibits and audio/video stations provide information about the United States Mint and its history, coinage, and current programs. The visitors’ entrance is on the corner of 5th and Arch Streets. Adults will be asked to provide **government-issued photo identification** for security purposes.

Daily Special Events

Inquire at the Independence Visitor’s Center about the many special events, tours, and activities taking place daily throughout the historical district. There is always something happening for young and old.

Cultural Philadelphia

Philadelphia Museum of Art[®]

26th Street and Benjamin Franklin Parkway; Tel. (215) 763-8100

Main Building hours, Tue - Sun: 10:00 a.m.–5:00 p.m. On Fri evenings, selected galleries remain open to 8:45 p.m. Perelman Building (newly renovated space showcasing some holdings on display for the

first time) hours, Tue - Sun: 10:00 a.m.–5:00 p.m. Admission: Adults, \$16; Seniors (ages 65 & over), \$14; Students over 18 with valid ID, \$12; Children Ages 13–18, \$12; Ages 12 & under: free

On Fri, 14 August, the museum will host *Art after 5*: noted South Philly percussionist Lucky Thompson will play from 5pm - 8:45 pm (free with museum admission).

Special Event: Bird Art Show and Benefit

On 14 August from 19:00 – 21:00, there will be a show and sale of bird art at Benna's Cafe, on the corner of 8th and Wharton (1236 S 8th St). Proceeds will support the **American Bird Conservancy**. This café is in the popular South Street section of Center City. <http://bennascafe.com/>

Rodin Museum^o

Benjamin Franklin Parkway at 22nd Street; Tel. (215) 568-6026

Visitors to this museum will discover 124 Rodin works, including bronze casts of the artist's greatest works, including *The Thinker*, one of the most famous sculptures in the world.

Hours: Tue - Sun: 10:00 a.m.–5:00 p.m. Admission: a contribution of \$5 per person is suggested. Free guided tours are given at 1:30 p.m. every Tue, Thu, and Sun, and on the first and third Sat of the month.

College of Physicians' Mütter Museum

19 South 22nd Street; Tel. (215) 563-3737

Like medicine and pathology? The Mütter Museum has much to offer! The museum began in 1858 as a bequest from Dr. Thomas Dent Mütter, a retiring surgeon. The current exhibit, *The Devouring Element*, looks at the history of lead and human health.

Other “one-of-a-kind treasures” include: the plaster cast of the torso of Siamese Twins, Chang & Eng, and their conjoined livers; a collection of 2,000 objects extracted from people's throats; a cancerous growth removed from President Grover Cleveland; and the tallest skeleton on display in North America.

Hours: Mon –Fri , 10 am-5 pm; Sat - Sun, 10 am – 5 pm. Admission: Adults (Ages 18-64), \$14; Children (Ages 6-17), \$10; Senior Citizens (Age 65+), \$10; Students with valid ID, \$10; Military with valid ID, \$10; Children under 6, free. The Mütter Museum and the Rosenbach (see below) offer a discount of \$5 when buying a ticket to both.

The Franklin (Franklin Institute)^o

222 North 20th Street; Tel. 215-448-1200

A Philadelphia favorite, this science museum is not to be missed, especially a ride on the Sky Bike! Visitors loving astronomy will want to purchase reserve tickets for the current exhibit *Galileo, The Medici and The Age of Astronomy*. There is also Star Trek exhibit of authentic objects and transports from the television series and movies.

Hours: Daily 9 am – 5 pm; special exhibits, Galileo and Star Trex: The Exhibition, Mon - Wed 9:30 am - 5:00 pm; Thu - Sat 9:30 am - 8:00 pm; Sun 9:30 am - 7:00 pm. Admission pricing is tiered based on attractions included; basic admission (does not include special exhibits or IMAX): Adult, \$14.95; Student/Seniors with ID, \$13.75; Children, \$12.

The Rosenbach Museum and Library

2008-2010 Delancey Place, between Pine & Spruce Sts. near Rittenhouse Square; Tel: (215) 732-1600

Lovers of children's author Maurice Sendak will want to pay a visit to The Rosenbach Museum & Library. Once the home brothers, Dr. A.S.W. and Philip Rosenbach, the museum now houses the Sendak Gallery which showcases Mr. Sendak's works and personal collections. Sendak, a longtime trustee and supporter, has been known to drop in unannounced, to the delight of younger visitors.

Hours: Tue, Thu, & Fri 10 am – 5 pm; Wed 10 am – 8 pm; Sat – Sun 10 am – 5 pm. Admission: Adults, \$10.00; Seniors (ages 65 & older), \$8.00; Students & Children, \$5.00; Children under 5, free. See above about dual admission with Mütter Museum.

Please Touch Museum[Ⓞ]

Memorial Hall in Fairmount Park, 4231 Avenue of the Republic; Tel. (215) 581-3181

A favorite place for families with toddlers and children up to age 7 or 8. Daily hands-on activities, along with daily concerts and story times. Ride on the 1908 Dentzel Carousel (\$3/ticket), or visit Wonderland.

Hours: Mon – Sat 9 a.m. – 5 p.m.; Thu in August open until 8 p.m; Sun 11 a.m. – 5 p.m. Admission: adults and children, \$15.

Wagner Free Institute of Science

1700 West Montgomery Avenue; Tel. 215-763-6529

The Institute's nineteenth century exhibit hall houses an extraordinary collection of natural history specimens including mounted birds and mammals, fossils, rocks and minerals, insects, shells, and dinosaur bones. Gathered largely by founder William Wagner and Institute curators during the 19th century, the collections are displayed in cherry-wood and glass cabinets dating from the 1880s and maintain their original "systematic" scheme, providing a rare view of a Victorian science museum.

Originally assembled to teach science, the specimens are arranged for study. The exhibit is one of the largest systematically arranged collections on display in the country. It remains in active use as a key educational tool of the Institute's free science programs, and serves as a resource for research.

Hours: Tue - Fri, 9 am - 4 pm. Admission to all education programs is free of charge. A donation of \$8 is suggested for museum visitors. Guided tours are \$15 for adults, \$10 for members of the Institute and senior citizens, and \$5 for children. Children under the age of 18 must be accompanied by an adult.

University of Pennsylvania Museum of Archaeology and Anthropology

3260 South Street; Tel. 215-898-4000

Founded in 1887, Penn Museum has conducted more than 400 archaeological and anthropological expeditions around the world. Three gallery floors feature materials from Egypt, Mesopotamia, the Bible Lands, Mesoamerica, Asia and the ancient Mediterranean World, as well as artifacts from native peoples of the Americas, Africa and Polynesia.

American Philosophical Society[Ⓞ]

Philosophical Hall (adjacent to Independence Hall), 104 South 5th Street; Tel. 215.440.3442

The APS Museum is the only venue in Independence National Historical Park to host exhibitions exploring history, art, and science. And, it's the newest temporary contemporary art venue in Philadelphia ... that's 260 years old.

Spring & Summer Hours (March 1 – Labor Day) Thursday – Sunday 10 a.m. – 4 p.m.

Additional Spring & Summer Evening Hours 5 p.m. – 8 p.m. Wednesdays (May 1 – Labor Day) 10 a.m. – 6 p.m. Friday – Saturday (July – August)

Special Exhibit during AOU2009: <i>Dialogues with Darwin: An Exhibition of Historical Documents and Contemporary Art</i>
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Historic and Cultural Sites Outside Philadelphia

Valley Forge National Historical Park

Hours: dawn to dusk. Visitor Center and other park buildings are open 9 am - 5pm daily. For more information, call 610-783-1077

The best way to make the most of one's time in Valley Forge is to begin at the Visitor Center. There are daily activities, story telling, trolley tours and evening activities. Visitors, bring your cell phones in order to take advantage of the free, self-guided cell phone tour. Wear your best walking shoes too because the park includes 3,600 acres!

One viable opportunity to travel to Valley Forge without a car happens on Saturday with the program The Road to Valley Forge: Secrets & Spies tour! Board a guided bus in Philadelphia and be part of a four-hour top-secret mission to Valley Forge, led by an American spy. Get a secret identity, meet

George Washington, get your orders and experience the everyday life of soldiers at the famous encampment. Departs: From Old City, Philadelphia, every Sat through 5 September. For more information, call the Welcome Center, Tel. 610-783-1077.

Brandywine Battlefield and Museum

The site of the Revolutionary War battle along the Brandywine is at Chadds Ford, 32 miles west of Philadelphia (1 hour by car). In the same town is the Brandywine Museum, featuring the work of N. C. Wyeth, Andrew Wyeth, and Jamie Wyeth.

Gettysburg National Military Park

The famous Civil War battlefield is 140 miles west of Philadelphia. By car, the trip takes about 2.5 hours, via the Schuylkill Expressway and Pennsylvania Turnpike (I76).

Pennsylvania Dutch Country

The heart of Amish and Mennonite settlements in Pennsylvania—including famous villages such as Intercourse, Bird-in-Hand, and Paradise—is in Lancaster County, roughly 80 miles west of Philadelphia (1.5 hours by car) and on the way to Gettysburg. Note: Amish-owned shops and farm stands are closed on Sunday (other gift shops are open).

New Jersey Pine Barrens and Batsto Historical Site

The heart of the Pine Barrens can be found in Lebanon and Wharton State Forests. Both offer hiking, camping, canoeing, and other opportunities.

Batsto Village is a New Jersey historic site located in the South Central Pinelands, administered by the New Jersey Division of Parks & Forestry. This site is nationally recognized for its historical significance and beauty. The roots of Batsto Village can be traced back to 1766, when the site included an important iron forge and glassworks.

Wetlands Institute, Stone Harbor, NJ

This attraction offers hands-on fun and information about saltmarsh and marine ecosystems and organisms. From Philadelphia, access is via the Atlantic City Expressway, then exit 7S to the Garden State Parkway, and then exit 10B toward Stone Harbor. Hours: Mon – Sat, 9:30 am - 4:30 pm; Tue – Thu, mid-June to Labor Day, open until 8 pm; Sun 10 am - 4 pm. General Admission, \$7.00; Children (Age 2-11), \$5.00; Children (Under age 2), free

Cape May, NJ

The southern tip of New Jersey offers one of the world's premiere birding hot-spots, along with typical amenities of the Jersey Shore. Local sites to visit include the Cape May Point State Park and lighthouse, and the Cape May Bird Observatory. Access from Philadelphia is via the Atlantic City Expressway, then the Garden State Parkway to its terminus. Distance from Center City is about 85 miles (roughly 2 hours driving time). Be aware that traffic to the Jersey Shore in summer is extremely heavy every Fri afternoon, as is return traffic to Philadelphia on Sun afternoons.

Business Meetings and Events Schedule

Business Meetings

HH = Houston Hall. IA = Irvine Auditorium. CC = Claudia Cohen Hall.

Tuesday, 11 August

18:00 – 21:00 HH Golkin Room AOU Council

Wednesday, 12 August

08:00 – 15:30 HH Golkin Room AOU Council

15:45 – 17:00 IA Amado Recital AOU Fellows

Thursday, 13 August

12:30 – 14:00 HH Golkin Room OSNA Board of Directors

Friday, 14 August

12:30 – 14:00 HH Golkin Room AOU Editorial Board

17:00 – 18:00 HH Class of '49 AOU Business Meeting.

The AOU encourages all members to attend the official business meeting, which will include announcements about AOU elections and operations, and a presentation about the upcoming joint meeting (with COS and SCO) in San Diego in February, 2010. Non-members are welcome to sit in on the business meeting.

18:00 – 20:00 HH Golkin Room GWWA Working Group

Saturday, 15 August

12:30 – 14:00 HH Golkin Room Golondrinas Working Group

12:30 – 14:00 IA Amado Recital AOU Student Awards Committee

12:30 – 14:00 HH Houston Market WOS/AFO/COS 2011 Planning Mtg.

Special/Social Events

Wednesday, 12 August

17:00 – 20:00 CC Terrace Room AOU Fellows No-Host Reception & Dinner

19:00 – 22:00 HH Reading Room, Bistro Welcome Reception

21:00 – 23:00 Marathon Grill (off campus) AOU Early Professionals Mixer

Thursday, 13 August

08:00 – 08:20 IA Auditorium Welcome Ceremony (followed by Welcome/Plenary session)

12:30 – 14:00 HH Hall of Flags AOU Student-Professional Luncheon

18:30 – 22:00 Philadelphia Zoo Zoo Night and Student Quiz Bowl (admission included for all registered attendees; guest tickets available at Registration Desk)

Friday, 14 August

06:45 – 07:45 Schuylkill River Park All-out Ostrich Up roar 5K race

18:30 – 22:00 HH Hall of Flags Poster Sessions and Reception

Saturday, 15 August

18:00 – 19:00 Sheraton University City AOU Closing Reception (tickets required)

19:00 – 22:00 Sheraton University City AOU Closing Banquet (tickets required)

Special Events

Workshops (part of the Scientific Program), Wed 12 August

Data Archiving: Get the most out of your data through proper archiving and sharing

13:00 – 17:00 Wed, 12 Aug HH Class of '49 Organized by: Ellen Paul/Ornithological Council

Innovative Teaching in Ornithology

15:30 – 17:00 Wed, 12 Aug HH Ben Franklin Organized by: AOU Student Affairs Committee and the Cornell Lab of Ornithology Education Program

Student-Professional Luncheon, Thu 13 August, 12:30 – 14:00

For students, meeting and interacting with professional ornithologists is an important aspect of the AOU meeting. However, professional conferences can sometimes be challenging environments for students to locate and approach professional ornithologists in their area of research interest. Each year the Student Affairs Committee works to facilitate student interaction with professionals by organizing casual events like this year's Student-Professional Luncheon.

The lunch will provide students with a unique opportunity to meet informally to discuss common research interests with professional ornithologists. Ornithologists, both in and out of academia, will be grouped at tables according to their research interests.

Zoo Night and Quiz Bowl: Philadelphia Zoo, Thu 13 August, 18:30 – 22:00

Transportation and admission for this event—including picnic dinner—are included in fees paid by all registered conference attendees. Additional tickets for guests (\$35 adults, \$20 children less than 16 years old) may be available, if not ordered at the time of registration; ask at the Registration Desk.

Transportation between UPenn and the Zoo

Trolley-style buses will depart from 34th Street and Spruce St., on the east side of Irvine Auditorium (behind Irvine when approaching from Houston Hall), beginning at 17:30 and continuing until 18:30. Buses returning from the zoo will depart starting at 21:00, with the last buses departing at 22:15.

McNeil Avian Center and Zoo Exhibits

The AOU is fortunate to be one of the first organizations to hold an event in the new McNeil Avian Center. This neoclassical Bird House was originally built in 1916. Reconstruction of the facility, completed in May, 2009, has added new emphasis on the zoo's conservation programs. Highlights of the evening will include live-bird demonstrations showcasing ongoing training and enrichment efforts.

Throughout the evening, conference attendees and ticketed guests will also have access to many of the zoo's other exhibit buildings and grounds. Be sure to visit Big Cat Falls and the PECO Primate Center.

Bar Service

Limited quantities of beer and wine will be available; attendees should use the two color-coded drink tickets included in their registration packet (or, in the case of adult guests, with their admission ticket). Soft drinks and bottled water will also be available. We encourage attendees who do not wish to use their drink tickets to make these available to other participants. Zoo policies and state liquor laws do not allow us to offer a cash bar, so additional alcoholic beverages cannot be purchased during the evening.

Urban Conservation Treaty Announcement

During our evening event, the US Fish and Wildlife Service will announce a \$70,000 grant to the City of Philadelphia in connection with the Urban Conservation Treaty for Migratory Birds program. The funds will support collaborative work between the Zoo, Audubon Pennsylvania, and the Academy of Natural Sciences. Join us for the formal announcement in front of the McNeil Avian Center at 19:00.

Picnic

A cook-out dinner is included at no additional cost for all registered conference attendees and for individuals who have purchased guest tickets. Service will begin at about 19:00. Food offerings will include hamburgers, hot dogs, salads, and (for vegetarians) grilled vegetables and flatbread. We ask attendees who are not vegetarian to leave the grilled vegetables mainly for those who may not wish to eat meat, to insure sufficient quantities.

The primary food station will be at the Tiger Terrace restaurant. Seating will be available there, in the Peacock Pavilion, and outdoors around open parts of the Zoo grounds.

Student Quiz Bowl, Peacock Pavilion, 19:30 – 22:00

The 4th Annual Jeopardy-style Quiz Bowl will take place inside the Peacock Pavilion tent, in the center of the zoo grounds. Limited seating will be available, but there will be ample standing room.

Teams of three students will compete by answering general-knowledge questions on topics that may include: avian structure and function, morphology, behavior, taxonomy, genetics, identification of birds by sight or sound, birds in the news, famous ornithologists, and birds in popular culture. In preliminary rounds, each of nine teams will participate in a match against two other teams where up to 25 general ornithological knowledge questions will be asked. The winning team from each first-round match will then play in the championship round.

Participation is limited to current students who are AOU members. We can accommodate only nine teams for the competition, each with three members. Participation will be based on a first-come first-served basis. You do not need to present a talk or poster to participate in the Quiz Bowl, but you do need to be registered for the conference and be a student member of the AOU at the time of sign-up.

Teams wishing to compete should contact Nicholas Block (nlblock@uchicago.edu) as soon as possible, if they have not done so in advance. Individuals not part of a team who would like to be considered as potential back-up participants should also contact Nicholas.

If it Rains ...

If inclement weather arises, we will ask attendees to take turns using tables inside the Peacock Pavilion to eat dinner. Limited indoor seating is available also in the Tiger Terrace. If attendees wish, they will be allowed to bring food inside the various exhibit buildings, including the McNeil Avian Center.

Silent Auction, 12-14 August

How does the AOU Student Affairs Committee keep running fun events like the Quiz Bowl and Student-Professional Lunch at every meeting, you ask? Why the Silent Auction of course, organized by the SAC in collaboration with the Local Committee.

Tables displaying donated auction items will be located on the floor level of the Hall of Flags, Houston Hall. This year we are pleased to offer an array of old and rare books and monographs, decades of issues of *The Auk* and *The Condor*, avian-themed crafts, and more. Proceeds go directly back into funding SAC's events at future AOU meetings.

Potential buyers should record their bids on lists accompanying each item; we ask participants to consider meaningful increments in bidding, starting from a listed minimum bid. Bidding hours: Thu 08:00-17:30 and Fri 08:00-22:00 (including the Poster Sessions). Winning bidders (highest bid as of 22:00 Fri) will be expected to pay for, and pick up, their items on Sat 08:00-10:30.

Closing Reception, Banquet, & AOU Awards Ceremony, Sat 15 August

The AOU Banquet, and the preceding Reception, will take place in the Benjamin Franklin Ballroom of the Sheraton Philadelphia University City, 3600 Chestnut St. This is two blocks north of the Perelman Quadrangle, at the edge of the UPenn campus. The Reception will take place from 18:00 – 19:00; the Banquet will take place 19:00 – 23:00. The Banquet program will include announcement of all major AOU Awards, including the Brewster, Coues, Schreiber, Jenkinson, and Johnson Awards for professionals (see www.aou.org/awards/), and the Student Presentation awards for AOU2009

Limited numbers of tickets for the Closing Reception and Banquet may be available after the start of the conference (professionals/guests, \$48; students, \$35). Meal options include roast sirloin, chicken picatta, and linguini with tofu. Check the Message Board or inquire at the Registration Desk.

All-out Ostrich Up roar 5K Race, Fri 14 August

AOU's 5 km fun race will take place on Fri, 14 Aug, starting at 06:45 (sunrise is at 06:11). Runners who would like to participate should sign up at the Registration Desk, if they did not sign up during conference registration. The \$20 fee includes a conference t-shirt featuring Jacob's Armiger's "Gonna Fly Now!" design on the back (for those of you who may be naïve about Philly culture, we encourage you to Google Rocky+Art Museum+theme!) and eligibility for ostrich-egg prizes. Individuals who decide at the last minute to run are welcome as long as they check in with volunteer officials at the start.

Runners will start from the Schuylkill River Park (across the river from UPenn) at Walnut Street. Participants should meet in the Wynn Commons area in front of Houston Hall by 06:20; the group will then walk the ± 5 blocks to the start. (In the interest of personal safety, we discourage participants from walking alone at this early hour.) The course will follow the Schuylkill River north past the Art Museum, then along Kelly Drive into Fairmount Park, passing Boathouse Row. Runners will double back at the Rock Promontory, and then follow Kelly Drive south before passing to the east (left) of the Art Museum. The race will conclude (of course!) at the Rocky statue in front of the Art Museum.

A van will be available to shuttle participants back to UPenn, or runners may walk back on their own. Because of traffic uncertainties, we cannot guarantee that participants will make it back to the Perelman Quadrangle in time for the start of the morning Keynote sessions at 08:00.

Questions? Contact John Sauer (jrsauer@usgs.gov) or Annie White (ann-elise.white@villanova.edu), or inquire at the Registration Desk.

Meeting At-A-Glance

Time	Wednesday, 12 August	Thursday, 13 August	Friday, 14 August	Saturday, 15 August
Morning	Field Trips AOU Council Mtg.	Early morning bird walks Welcome Ceremony & Lecture: Weidensaul Plenary: Ricklefs General Sessions	Early morning bird walks All-out Ostrich Up roar Keynote lectures General Sessions	Early morning bird walks Silent Auction payment & pickup Keynote lectures General Sessions
Afternoon	AOU Council Mtg. Workshop: Data Archiving Workshop: Teaching AOU Fellows Mtg.	Student-Professional Luncheon OSNA Board Lunch Mtg. General Sessions Silent Auction	AOU Editorial Board Lunch Mtg. General Sessions AOU Business Meeting GWVA Working Group Mtg.	<i>Golondrinas</i> group, lunch mtg. General Sessions
Evening	AOU Fellows Dinner Welcome Reception	Zoo Night Quiz Bowl	Poster Sessions Silent Auction	Closing Reception Closing Banquet

Scientific Sessions

In schedules below, presenting authors are denoted by **bold** font. Where abbreviated, buildings are indicated as follows: CC, Claudia Cohen Hall; HH, Houston Hall; IA, Irvine Auditorium; CH, College Hall. Abstracts of all presentations are available at www.birdmeetings.org/aou2009/advancedsearch.asp

Uploading and Previewing Presentation Files

Brachfeld Room, on the 2nd Floor of Houston Hall, will be the location for presenting authors of oral papers to submit their presentation files for upload. Laptop computers will be available for authors to preview their presentations as they will appear on the system used throughout AOU2009.

We will use PC laptops running Windows XP Professional and Office 2007 (including PowerPoint 2007) for all oral presentations. For Symposia and Contributed Paper sessions, presentations for each session will be concatenated after upload into a single file.

Authors must bring presentation files (in PowerPoint 2007 or PowerPoint 2003 format, on a USB memory stick or CD) to Brachfeld for uploading well in advance of the session in which they will present, but certainly no later than the end of the prior session. Volunteers will staff Brachfeld beginning at 13:00 on Wed, 12 August and during Registration Desk hours thereafter, to assist with submission. Authors presenting in each day's first session should complete upload before the end of the **previous** day; those presenting in afternoon sessions should upload **before** the lunch break of the same day.

Authors whose presentations include multimedia elements (sound files or video) should allow additional time for uploading all of the associated files. It is usually necessary to re-insert links to audio and video files within PowerPoint after the presentation file itself is loaded into its final session directory. It is the responsibility of the presenting author to check that their presentation "behaves" correctly after upload.

Guidance for Moderators

Moderators will be expected to adhere strictly to the presentation schedule so that attendees can move among session rooms. Presentation laptops will be synchronized and will run Alarm Clock Pro software for cuing speakers and moderators. For 15-min oral presentation slots, an audio clip at 12 minutes will signal that the presentation should end and the floor should be opened for questions. At 14 minutes, a second audio clip will indicate that no further questions should be taken, to allow time for audience movements before the next talk. Corresponding times for Symposia will be 25 minutes and 29 minutes.

Student Presentation Awards

Each presentation (oral or poster) eligible for a student award is indicated in the grid or list below by an asterisk in front of the presenting author's name. Students are eligible for awards only if they are current members of AOU; if they are presenting in a general session or in the regular poster session; and if they submitted an application to the Student Awards Committee in April.

Members of the AOU Student Awards Committee, 2008-2009

Rebecca Kimball, University of Florida (Chair)
Dan Ardia, Franklin and Marshall College
Patricia Brennan, Yale University
Matt Carling, Cornell University
Colin Studds, Smithsonian Institution
Emily DuVal, Florida State University
Mark Hauber, Hunter College, CUNY
Bill Jensen, Emporia State University
Dan Kim, University of Omaha
Alan Krakauer, University of California, Davis
Brady Mattsson, University of Georgia

Ron Mumme, Allegheny College
Troy Murphy, Trinity University
Chad Rittenhouse, University of Wisconsin
Dustin Rubenstein, Columbia University
Rebecca Safran, University of Colorado, Boulder
Ian Stewart, University of Kentucky
John Swaddle, College of William and Mary
Kerri Vierling, University of Idaho
Chris Witt, University of New Mexico

Welcome and Plenary Presentations, Thu, 13 August

Conference Opening

08:00 – 08:20 Irvine Auditorium Edward (Jed) Burt, Jr., President, AOU; Kelman Wieder, Associate Dean for Sciences, Villanova; Richard Schultz, Associate Dean for Natural Sciences

Welcome Lecture

08:20 – 09:00 Irvine Auditorium **Scott Weidensaul**

“Ornithological Cradle: Philadelphia and the Birth of American Bird Study”

Author and naturalist Scott Weidensaul has written more than two dozen books on natural history, including *Living on the Wind: Across the Hemisphere with Migratory Birds*, a Pulitzer Prize finalist; *The Ghost with Trembling Wings*, about the search for species that may or may not be extinct; and *Of a Feather: A Brief History of American Birding*. He lectures widely on wildlife and environmental topics, and is an active field researcher, specializing in birds of prey and hummingbirds. He lives in the Appalachians of eastern Pennsylvania.

Introduction: Bob Curry, Villanova University

Plenary Lecture

09:00 – 10:00 Irvine Auditorium **Robert E. Ricklefs**

“Bird Comings and Goings in the West Indies”

Dr. Robert E. Ricklefs is Curators Professor of Biology, Department of Biology, University of Missouri-St. Louis. A native of coastal central California, and a birder from an early age, Bob completed his undergraduate education at Stanford University and went on to pursue his doctorate at the University of Pennsylvania, initially under the guidance of Robert MacArthur but completing his degree with W. John Smith. After a year of post-doctoral studies, he returned to Penn as an Assistant Professor and remained on the biology faculty until 1995, when he assumed his present position. His interests include island biogeography, patterns of species richness, and the diversification of avian life histories. In addition to his many scientific articles and books, he is the author of two widely used textbooks, *Ecology* and *The Economy of Nature*.

Introduction: Irby Lovette, Cornell University

Keynote Presentations

On both Friday and Saturday, the daily program will begin with **concurrent** presentations by three invited Keynote speakers. These speakers include young investigators as well as senior professionals, with topics ranging from organismal biology to conservation.

On each morning, conference attendees should choose one of the Keynote presentations to attend. Space in each presentation room will be available on a first-come, first-served basis. Should any room become filled to capacity, we ask additional registrants to attend one of the other concurrent presentations.

Friday, 14 August

08:00 – 09:00 Cohen Hall G17 **Erich Jarvis**, Duke University

“Evolution of brain systems for complex behavioral traits: song in birds and spoken language in humans”

Dr. Erich D. Jarvis is a Professor of Neurobiology at Duke University, and he is a Howard Hughes Investigator. He received his Ph.D. in Molecular Neurobiology & Animal Behavior, The Rockefeller University, in 1995. Dr. Jarvis' laboratory studies the neurobiology of vocal communication. Emphasis is placed on the molecular pathways involved in the perception and production of learned vocalizations. He uses an integrative approach that combines behavioral, anatomical and molecular

biological techniques. The main animal model used is songbirds, one of the few vertebrate groups that evolved the ability to learn their vocalizations. The generality of the discoveries is tested in other vocal learning orders, such as parrots and hummingbirds, as well as non-vocal learners, such as pigeons and non-human primates.

Introduction: Gerald Hough, Rowan University

Sponsored by Villanova University's Cognitive Science Program.

08:00 – 09:00 HH Class of '49 Audit. **Bridget J. Stutchbury**, York University

“Carry-over effects in Neotropical migratory songbirds: reproductive effort, molt and migration”

Bridget Stutchbury is Professor and Canada Research Chair in Ecology and Conservation Biology at York University, Toronto. She completed her M.Sc. at Queen's University and her Ph.D. at Yale, and was a postdoctoral fellow at the Smithsonian Institution. Since the 1980s, she has followed songbirds to their wintering grounds in Latin America and back to their breeding grounds in North America to understand their behavior, ecology, and conservation. She is author of the book *Silence of the Songbirds*.

Introduction: André Desrochers, Université Laval

08:00 – 09:00 HH Bodek Lounge **A. Marm Kilpatrick**, University of California, Santa Cruz

“Birds, viruses, and anthropogenic change—a Molotov cocktail in the making”

Dr. Kilpatrick is an Assistant Professor in the Department of Ecology and Evolutionary Biology at the UCSC, and was the recipient of the AOU's Ned K. Johnson Young Investigator award in 2008. He received a B.S. in mechanical engineering and a B.A. in philosophy from UCLA, in 1995; a M.S. in mechanical engineering from MIT in 1997; and a PhD from the University of Wisconsin, Madison, in 2003. He spent the next 5 years as a research scientist at the Consortium for Conservation Medicine, a non-profit organization in New York, before joining the faculty at UCSC in 2008. His primary fields of interest are population and disease ecology and conservation. His work links empirical studies with simple models to answer questions like: (1) which of the 300+ bird species shown to be infected with West Nile virus are important in amplifying the pathogen? (2) How will pathogens such as avian influenza and West Nile virus be spread to new regions? (3) How does anthropogenic environmental change alter the transmission of pathogens through changes in climate, host and vector communities?

Introduction: Chris Williams, University of Delaware

Saturday, 15 August

08:00 – 09:00 Cohen Hall G17 **Gail Patricelli**, University of California, Davis

“Sexual selection for negotiation skills: using robots and arrays to study courtship interactions”

Dr. Gail Patricelli is an Assistant Professor of evolution and ecology at the University of California, Davis. She received her B.A. from Whitman College and Ph.D. from the University of Maryland in 2002, and was an NSF postdoctoral fellow in bioinformatics at the Cornell Lab of Ornithology. The broad goal of Dr. Patricelli's research is to understand the functional and mechanistic conditions that favor complex animal signals, and the consequences of this complexity on signal evolution. Her approach has been integrative, examining functional, environmental and mechanistic influences on signal content and design. She has focused on studying birds in the wild, and to this end, she has developed techniques for detailed observation and experimental manipulation of both visual and acoustic signals in the field, including interactive robots and terrestrial microphone arrays. This technology has allowed her to address new and previously intractable questions in animal behavior. Her current research addresses three main questions: 1) The causes and functional implications of directional sound radiation in songbirds, 2) Sexual selection and acoustic communication in sage-grouse, and 3) The effects of anthropogenic noise on acoustic communication and breeding behaviors of sage-grouse and other birds.

Introduction: Don Dearborn, Bucknell University

Sponsored by Villanova University's College of Liberal Arts & Sciences.

08:00 – 09:00 HH Class of '49 Audit. **W. John Smith**, University of Pennsylvania

“Ethology, communication, and complexity”

Dr. W. John Smith is an Emeritus Professor, Department of Biology, University of Pennsylvania. He received his Ph.D. in 1961 and became a faculty member of the University of Pennsylvania in 1964. Dr. Smith's primary research interests include animal communication focusing primarily on tyrannid flycatchers. He is the author of *The Behavior of Communicating*.

Introduction: Alison Mostrom, University of the Sciences, Philadelphia

08:00 – 09:00 College Hall 200 **Trevor Price**, University of Chicago

“Ecological and geographical influences on bird speciation”

Dr. Trevor D. Price is a Professor in the Department of Ecology & Evolution, University of Chicago. Dr. Price earned his B.Sc. from Cambridge University and his Ph.D. from the University of Michigan. He and his students study the causes and consequences of speciation in birds. They combine field research, mostly in India, with molecular lab work (e.g., phylogeny reconstruction) and some theoretical studies. Major questions include: What is the role of songs and plumage patterns in speciation? Why are there twice as many species breeding in the eastern Himalayas as the western Himalayas? What sets range limits of species? How do closely related parapatric species interact at their mutual range limit? Much of their ongoing research is on the genus *Phylloscopus*, or Old World Leaf Warblers, chosen because multiple coexisting species are extremely similar to each other. He is the author of *Speciation in Birds*.

Introduction: Scott Lanyon, University of Minnesota

Symposia

Thursday, August 13

- 14:00 – 17:30 Cohen G17 S01: Shorebird stopover ecology in Delaware Bay: from catastrophe to recovery. Organizers: Amanda Dey, Larry Niles, and David Mizrahi
- 14:00 – 17:30 HH Class of '49 S02: Conservation reliant birds our new relationship with nature. Organizers: J. Michael Scott and J Michael Reed

Friday, August 14

- 09:00 – 12:30 Cohen G17 S03: Communication in birds and brains: how songbirds learn, produce and perceive songs. Organizer: Sarah Woolley
- 09:00 – 15:00 HH Class of '49 S06: A commemoration of 100 years of avian research on USFS Experimental Forests. Organizers: Scott H. Stoleson, and David I. King
- 09:00 – 12:30 IA Amado Recital S08: Golden-winged warbler conservation initiative. Organizers: David Buehler
- 14:00 – 17:30 IA Amado Recital S05: Ecology and conservation of a rare, declining species, Bicknell's Thrush. Organizers: Christopher C. Rimmer and Kent P. McFarland

Saturday, August 15

- 09:00 – 12:30 HH Class of '49 S07: Environmental challenges for colonial waterbirds of the Northeastern seaboard. Organizers: Susan B. Elbin, Katharine Parsons, and Nellie Tsipoura

09:00 – 12:30	Cohen G17	S09: From phylogeny to physiology: integrative studies of starlings and mockingbirds. Organizers: Dustin Rubenstein and Robert Curry
09:00 – 12:30	College Hall 200	S10: Phylogeography of Australian birds: Spatio-temporal insights and methodological testing ground. Organizers: Leo Joseph and Scott Edwards
14:00 – 17:30	Cohen G17	S04: Movers and shakers in the mountains: New research on tropical altitudinal migration. Organizer: Kevin Fraser
14:00 – 17:30	College Hall 200	S11: State of the Birds 2009: the first collaborative assessment for bird populations of the United States. Organizers: John R. Sauer, Gregory S. Butcher, Robert P. Ford, Kenneth V. Rosenberg

General Sessions & Coordinated General Sessions (Contributed Oral Presentations)

Thursday, 13 August

10:30-12:30	CC G17	G01: Behavior
10:30-12:30	HH Class of '49	G02: Diseases and Parasites
10:30-12:30	CC Terrace	G03: Avian Ecology in Developed Ecosystems
10:30-12:30	HH Bodek	G04: Song and Vocalizations I
10:30-12:30	IA Amado Recital	G05: Long-term Perspectives in Weather and Habitat
10:30-12:30	IA Café 58	G06: Breeding Ecology I
14:00-15:30	CC Terrace	A01: Anthropogenic structures as barriers during bird migration. Coordinated General Session. Organizer: Susan Elbin
14:00-17:30	HH Bodek	G08: Molecular Ecology
14:00-17:30	IA Café 58	G09: Sexual Selection
14:00-17:30	IA Amado Recital	G10: Physiology
16:00-17:30	CC Terrace	G07: Brood Parasitism

Friday, 14 August

09:00-12:30	CC Terrace	G11: Biogeography
09:00-12:30	IA Café 58	G12: Tropical ecology
09:00-12:30	HH Bodek	G13: Population Ecology
14:00-17:30	CC G17	G14: Coloration
14:00-17:30	CC Terrace	G15: Systematics, Taxonomy, and Morphology
14:00-17:30	IA Café 58	G16: Wetland and Water Birds
14:00-17:30	HH Bodek	G17: Habitat and Resource Use
15:00-17:30	HH Class of '49	A02: Ornithological issues on the North American Great Lakes. Coordinated General Session. Organizer: D. V. Chip Weseloh

Saturday, 15 August

09:00-12:30	IA Amado Recital	G18: Evolution
09:00-12:30	HH Bodek	G19: Migration Ecology I
09:00-12:30	CC Terrace	G20: Conservation and Management
14:00-17:30	HH Class of '49	G21: Phylogenetics
14:00-17:30	IA Amado Recital	G22: Song and Vocalizations II
14:00-17:30	HH Bodek	G23: Migration Ecology II
14:00-17:30	CC Terrace	G24: Breeding Ecology II

Scientific Program, Thursday, 13 August

08:00 – 08:20	Plenary Session, Irvine Auditorium : Welcome, announcements, and opening remarks E D Burttt, Jr, President, AOU; R K Wieder, Assoc Dean for Sciences, Villanova; R Schultz, Assoc Dean for Natural Sciences, UPenn					
08:20 – 09:00	Plenary Session, Irvine Auditorium : Welcome Lecture, Scott Weidensaul, “Ornithological Cradle: Philadelphia and the Birth of American Bird Study” Introduction: Robert L. Curry					
09:00 – 10:00	Plenary Session, Irvine Auditorium : Plenary Lecture, Robert E. Ricklefs, “Bird Comings and Goings in the West Indies” Introduction: Irby J. Lovette					
10:00	Coffee break, Irvine Auditorium lobby and Houston Hall Reading Room					
	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
	G03 Ecology in Developed Ecosystems Moderator: G George	G01 Behavior Moderator: C Elphick	G02 Diseases & Parasites Moderator: M Kilpatrick	G04 Song & Vocalizations I Moderator: J Pitochelli	G06 Breeding Ecology I Moderator: M Becker	G05 Long-term Perspectives Moderator: D Winkler
10:30	Goodwin, S E ; Shriver, W G; TRAFFIC NOISE INFLEUNCES OCCUPANCY RATES OF TWO SPECIES WITH HIGH ACOUSTIC INTER-FERENCE: YELLOW-BILLED CUCKOO AND WHITE-BREADED NUTHATCH (5276)	*Bayard, T S ; Elphick, C S; USING NEST PLACEMENT PATTERNS TO UNDERSTAND THE ROLE OF SOCIAL VERSUS ECOLOGICAL CUES IN SALT MARSH SPARROW HABITAT SELECTION BEHAVIOR (5372)	Peterson, A T; Anderson, M J; *Bodbyl-Roels, S A ; Hosner, P; Nyári, A; Oliveros, C H; Papes, M; A PROTOTYPE FORECASTING SYSTEM FOR SPREAD OF BIRD-BOURNE DISEASES IN NORTH AMERICA (5234)	*Greig, E ; Pruett-Jones, S A PREDATOR-ELICITED SONG IN THE SPLENDID FAIRY-WREN: (5377)	Callo, P A ; EXTRA-PAIR BEHAVIOR AND THE SPATIAL DISTRIBUTION OF PARENTAL CARE (5596)	*Tingley, M W ; Monahan, W B; Beissinger, S R; Moritz, C; BIRDS TRACK THEIR GRINNELLIAN NICHE IN RESPONSE TO A CENTURY OF CLIMATE CHANGE (5172)
10:45	*Owens, J L ; VARIATION IN SOCIAL AND VOCAL BEHAVIOR OF TUFTED TITMICE ACROSS HABITAT TYPE (5294)	Clark, A B ; Miller, M L; Vicario, S; Gallup, A C; EXPLORING SOCIAL CONTAGION IN YAWNING AND STRETCHING BY BUDGERIGARS (5435)	Koenig, W D ; Hochachka, W M; Dickinson, J L; Zuckerberg, B; AMERICAN CROW DECLINES AND WEST NILE VIRUS SUPPORT THE DILUTION EFFECT (5363)	*Koloff, J ; Mennill, D J; THE VOCAL BEHAVIOUR OF A NEOTROPICAL SUBOSCINE: THE BARRED ANTSHRIKE (<i>THAMNOPHILUS DOLIATATUS</i>) (5365)	*Rensel, M A ; Schoech, S J; MATERNAL INVESTMENT AND THE EFFECT OF HELPERS ON NESTLING GROWTH IN THE FLORIDA SCRUB-JAY (5161)	Winkler, D W ; Knoderbane, M E; Shulman, M J; Hamm, N H; THE EFFECTS OF ENVIRONMENTAL TEMPERATURES ON TREE SWALLOW REPRODUCTION: A 25-YEAR PERSPECTIVE (5538)

Scientific Program, Thursday, 13 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
	G03 Ecology in Developed Ecosystems	G01 Behavior	G02 Diseases & Parasites	G04 Song & Vocalizations I	G06 Breeding Ecology I	G05 Long-term Perspectives
11:00	<p>*Jackson, A K; Fronberger, J P; Cristol, D A; SURVIVAL IN A CREATED LANDSCAPE: RADIO-TRACKING FLEDGLING BLUEBIRDS ON GOLF COURSES (5385)</p>	<p>Fitzpatrick, J W; Lovette, I J; Stenzler, L M; Makarewich, C A; Bowman, R; TRUE MONOGAMY IN FLORIDA SCRUB-JAYS: EXTRA-PAIR PATERNITY ABSENT REGARDLESS OF DEMOGRAPHIC CIRCUMSTANCES (5473)</p>	<p>Swaddle, J P; Calos, S E; BIRD DIVERSITY DILUTES THE INCIDENCE OF WEST NILE VIRUS IN HUMANS: THE BENEFITS OF BIRDS TO PUBLIC HEALTH (5457)</p>	<p>*La, V T; Mennill, D J; THE VOCAL BEHAVIOR OF COMMON LOONS: VARIATION WITH TIME OF DAY AND WEATHER CONDITIONS (5248)</p>	<p>*Townsend, A K; Clark, A B; McGowan, K J; Lovette, I J; BALANCING THE COSTS OF INBREEDING DEPRESSION IN COOPERATIVE CROWS (5289)</p>	<p>Zuckerberg, B; Bonter, D N; Hochachka, W M; Koenig, W D; Dickinson, J L; THE DYNAMIC ROLE OF TEMPERATURE IN LIMITING WINTERING BIRD DISTRIBUTIONS (5334)</p>
11:15	<p>Cornell Duerr, K; Pflugrath, A E; Cristol, D A; Swaddle, J P; FLEDGING SUCCESS AND NESTLING SEX RATIO OF EASTERN BLUEBIRDS BREEDING IN GOLF COURSE LANDSCAPES (5478)</p>	<p>Gill, S A; ALLOPREENING AND BIOLOGICAL MARKETS IN BUFF-BREASTED WREN FAMILIES (5421)</p>	<p>Marion, J E; Lovette, I J; IDENTIFYING AVIAN HOSTS FROM MOSQUITO BLOODMEALS USING DNA BARCODING (5598)</p>	<p>Snyder-Mackler, N; DEVELOPMENT OF ACOUSTIC SENSITIVITIES IN JUVENILE BROWN-HEADED COWBIRDS (<i>MOLOTHRUS ATER</i>) (5223)</p>	<p>*Powell, L L; Hodgman, T P; Glanz, W E; NESTING FATE AND ECOLOGICAL TRAPS IN DECLINING RUSTY BLACKBIRD POPULATIONS: WHY THE BREEDING GROUNDS MATTER (5212)</p>	<p>Job, J R; Bednekoff, P A; WRENS ON THE EDGE: THE IMPORTANCE OF COLD, SNOW, AND SUPPLEMENTAL FOOD TO CAROLINA WRENS NEAR THE NORTHERN EDGE OF THEIR RANGE (5362)</p>
11:30	<p>Rodewald, A D; Kearns, L J; Shustack, D P; URBANIZATION DOES NOT REDUCE AVIAN NEST SURVIVAL IN FOREST PARKS (5254)</p>	<p>Hewett, E L; Walters, J R; SIBLING RIVALRY AND OVERWINTERING PATTERNS IN JUVENILE RED-COCKADED WOODPECKERS (<i>PICOIDES BOREALIS</i>) (5244)</p>	<p>MacDougall-Shackleton, E A; MacDougall-Shackleton, S A; HOME FIELD ADVANTAGE OR DIFFERENTIAL DISPERSAL: WHY DO PHILOPATRIC SONG SPARROWS HAVE LOWER HAEMATOCYTOAN PARASITE LOADS? (5595)</p>	<p>*Tremain, S B; Mennill, D J; THE VOCAL BEHAVIOUR AND REPRODUCTIVE STRATEGIES OF A DUETTING NEOTROPICAL SONGBIRD, THE RUFOUS-AND-WHITE WREN (<i>THRZYOTHORUS RUFALBUS</i>) (5580)</p>	<p>*Conrey, R Y; Antolin, M F; EFFECTS OF PLAGUE AND PRECIPITATION ON BURROWING OWL DIET AND BREEDING SUCCESS (5384)</p>	<p>Moody, A T; Grand, J B; Collazo, J A; Jones, T; Watson, C; DESIGNING LANDSCAPES FOR SUSTAINABLE BIRD POPULATIONS IN THE SOUTHEASTERN UNITED STATES (5371)</p>
11:45	<p>Steeves, T K; Rubega, M A; Kearney, S; CHIMNEY LOCATION MATTERS: CHIMNEY SWIFT (<i>CHAETURA PELAGICA</i>) HABITAT ASSOCIATIONS AT MULTIPLE SPATIAL SCALES (5525)</p>	<p>Pepperberg, I M; Cavanagh, P; Vicinay, J; HOW GREY PARROTS SEE THE WORLD (5219)</p>	<p>*Maxted, A M; Luttrell, M P; Goeckjian, V; Stalknecht, D E; AVIAN INFLUENZA INFECTION DYNAMICS AMONG SHOREBIRD HOSTS AT THE DELAWARE BAY SPRING MIGRATION STOPOVER SITE (5241)</p>	<p>*Osmun, A E; Mennill, D J; COMPARISON OF MALE AND FEMALE ACTIVITY SPACE WITHIN SHARED TERRITORIES OF A DUETTING NEOTROPICAL PASSERINE, THE RUFOUS-AND-WHITE WREN (<i>THRZYOTHORUS RUFALBUS</i>) (5360)</p>	<p>Eaton, L A; Long, A M; Jensen, W E; Matlack, R S; LEeward NEST ORIENTATION IN SHRUB-STEPPE BIRDS OF THE SOUTHERN GREAT PLAINS (5286)</p>	<p>Desrochers, A; EVOLUTIONARY RESPONSE OF FOREST SONGBIRDS TO 100 YEARS OF LANDSCAPE CHANGE IN NORTH AMERICA (5220)</p>

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	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
12:00	G03 Ecology in Developed Ecosystems Bonter, D N ; Zuckerberg, B; Dickinson, J L; INVASIVE BIRDS IN A NOVEL LANDSCAPE: HABITAT ASSOCIATIONS AND EFFECTS ON ESTABLISHED SPECIES (5238)	G01 Behavior Ensminger, A L ; Westneat, D F; PERSONALITIES IN FORAGING BEHAVIORS: SUCCESSFUL BIRDS ARE SLOW AND BOLD (5345)	G02 Diseases & Parasites Peters, R J ; Kilpatrick, A M; Marra, P P; AVIAN TICK BURDENS ACROSS AN URBAN TO FOREST LAND-USE GRADIENT (5409)	G04 Song & Vocalizations I *Castner, J E ; Moore, J T; THE ROLE OF CULTURAL DIVERGENCE IN SPECIATION (5284)	G06 Breeding Ecology I *Noel, B L ; Bednarz, J C; ARE BOTTOMLAND HARDWOOD FORESTS HIGH-QUALITY HABITATS FOR PILEATED WOODPECKERS? (5510)	G05 Long-term Perspectives Becker, D ; Wood, P B; LONG-TERM LANDSCAPE SCALE RESPONSE OF FOREST-BREEDING SONGBIRDS ON AN INTENSIVELY MANAGED APPALACHIAN FOREST (5259)
12:15	George, G A ; Sheehan, J; Wood, P B; Edenborn, H; LOUISIANA WATERTHRUSH RESPONSE TO NATURAL GAS AND OIL WELL DEVELOPMENT IN WEST VIRGINIA (5335)	Dickinson, J L ; Shen, S F; WINTER TERRITORY DEFENSE AS A COLLECTIVE ACTION IN WESTERN BLUEBIRDS (5441)	States, S L ; Hochachka, W M; Dhondt, A A; ASYMPTOMATIC CARRIER SPECIES CAN AFFECT DISEASE DYNAMICS IN A PRIMARY HOST, THE HOUSE FINCH (5460)	Pitocchelli, J ; SONG VARIATION IN THE MOURNING WARBLER (5305)	Becker, M E ; Pravosudov, V V; IS PLAYING FAVORITES A BENEFICIAL PARENTAL INVESTMENT STRATEGY IN LARGER BROODS? (5194)	Rittenhouse, C D ; Pidgeon, A M; Albright, T P; Culbert, P D; Clayton, M K; Flather, C H; Huang, C; Masek, J G; Radeloff, V C; CONSERVATION OF FOREST BIRDS: EVIDENCE OF A SHIFTING BASELINE IN COMMUNITY STRUCTURE (5364)
12:30	Lunch break: Student-Professional luncheon, HH Hall of Flags; OSNA Editorial Board lunch meeting, HH Golkin Room					
14:00	A01 Anthropogenic structures Moderator: S Elbin	S01 Shorebirds in Delaware Bay Moderator: A Dey	S02 Conservation-reliant Birds Moderator: M Scott	G08 Molecular Ecology Moderator: M Carling	G09 Sexual Selection Moderator: M Hauber	G10 Physiology Moderator: B Walker
	Gehring, J L ; COMMUNICATION TOWERS AS BARRIERS TO BIRD MIGRATION AND OPPORTUNITIES TO REDUCE THE RISK (5591)	Niles, L J ; Dey, A D; Sitters, H P; SCIENTIFIC CERTAINTY IN THE FACE OF ECOLOGICAL COLLAPSE: RECOGNIZING THE ECOLOGICAL IMPORTANCE OF THE DELAWARE BAY FOR THE RUFA SUBSPECIES OF THE RED KNOT (5611)	Scott, J M ; CONSERVATION RELIANT SPECIES: OUR NEW RELATIONSHIP WITH NATURE (5615)	*Smith, B T ; Klicka, J; Hernández-Baños, B E; Ribas, C C; MOLECULAR SYSTEMATICS AND SPATIAL AND TEMPORAL PATTERNS OF DIVERSIFICATION OF THE FORPUS PARROTLETS (5452)	*Beck, M L ; Schwabl, H G; Webster, M S; THE INFLUENCE OF LOCAL HABITAT HETEROGENEITY ON THE STRENGTH OF SEXUAL SELECTION IN PROTHONOTARY WARBLERS (5230)	Cook, B ; Ellis, H I; OXYGEN STORES IN DIVING EARED GREBES (5608)

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	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
14:15	A01 Anthropogenic structures Klem, D ; USE OF UV AND OTHER SIGNALS TO PREVENT COLLISIONS BETWEEN BIRDS AND WINDOWS (5181)	S01 Shorebirds in Delaware Bay Niles et al. (con t.)	S02 Conservation-reliant Birds Scott (cont.)	G08 Molecular Ecology *Billerman, S M ; Huber, G H; Safran, R J; Lovette, I J; POPULATION GENETICS OF A RECENT TRANSCONTINENTAL COLONIZATION OF SOUTH AMERICA BY BREEDING BARN SWALLOWS (5410)	G09 Sexual Selection DuVal, E H ; CAUSES AND CONSEQUENCES OF INTER-SEASON MATE FIDELITY IN A LEKKING PASSERINE (5578)	G10 Physiology Egbert, J R ; Schwabl, H G; EFFECT OF TAMOXIFEN ON YOLK STEROID LEVELS IN HOUSE SPARROWS: TOWARD A MECHANISM OF YOLK STEROID ACCUMULATION (5523)
14:30	Marra, P P ; Dove, C J; Dolbeer, R; Dahlen, N F; Whetton, J F; Heacker, M; Diggs, N E; France, C; Henkes, G A; MIGRATORY CANADA GEESE CAUSE CRASH OF US AIRWAYS FLIGHT 1549 (5357)	Hernandez, D E ; Dey, A; THE INCREDIBLE, EDIBLE HORSESHOE CRAB EGG: MONITORING A CRITICAL RESOURCE FOR RED KNOTS (5504)	Walters, J R ; Johnson, M J; Grantham, J; CONSERVATION OF THE CALIFORNIA CONDOR: ARE SELF-SUSTAINING POPULATIONS POSSIBLE? (5296)	Cheviron, Z A ; Brumfield, R T; ADAPTATION TO HIGH-ELEVATION IN THE RUFOUS-COLLARED SPARROW (<i>ZONOTRICHIA CAPENSIS</i>): METABOLIC GENE EXPRESSION ALONG AN EXTREME ELEVATIONAL GRADIENT (5392)	Ferre, E D ; Dickinson, J L; MALE-DRIVEN ADVANTAGES MASQUERADE AS BENEFITS OF MULTIPLE MATING FOR FEMALE WESTERN BLUEBIRDS (<i>SIALIA MEXICANA</i>) (5432)	Gallup, A C ; Michael, M L; Clark, A B; YAWNING, STRESS, AND AVIAN THERMOREGULATION (5333)
14:45	Mizrahi, D S ; Fogg, R ; MIGRATION DYNAMICS IN DIFFERENT REGIONS OF THE NORTHEAST US: IMPLICATIONS FOR WIND POWER DEVELOPMENT (5576)	Sitters, H P ; Niles, L J; Dey, A D ; WHY HAVE RED KNOTS, RUDDY TURNSTONES AND SANDERLINGS REACTED DIFFERENTLY TO THE DECLINE IN HORSESHOE CRAB AVAILABILITY IN DELAWARE BAY? (5612)	Reed, J M ; DesRochers, D W; VanderWerf, E; Scott, J M; CONSERVATION-RELIANT BIRDS OF HAWAII: ALIEN SPECIES, DISEASE, AND CLIMATE CHANGE (5406)	Hartman, P J ; Westneat, D F; Confer, J L; Stewart, I; DOES EXTRA-PAIR PATERNITY INFLUENCE HYBRID ZONE DYNAMICS IN SYMPATRIC GOLDEN-WINGED AND BLUE-WINGED WARBLER POPULATIONS? (5386)	Gerlach, N M ; Parker, P G; Ketterson, E D; WHICH DAD IS BEST? FITNESS CONSEQUENCES OF EXTRA-PAIR PATERNITY IN OFFSPRING OF THE DARK-EYED JUNCO, <i>JUNCO HYEMALIS</i> (5318)	Long, J A ; Horton, B M; Holberton, R L; CORTICOSTERONE FACILITATES FEEDING AND FATTENING AT THE EXPENSE OF FLIGHT MUSCLE AND DEVELOPEMNT OF BREEDING CONDITION IN CAPTIVE WHITE-THROATED SPARROWS (5261)
15:00	Sheppard, C ; Roessler, M; CAN WE MAKE GLASS SAFE FOR BIRDS? (5431)	Sitters, H P ; Niles, L J; Dey, A D ; WHY HAVE RED KNOTS, RUDDY TURNSTONES AND SANDERLINGS REACTED DIFFERENTLY TO THE DECLINE IN HORSESHOE CRAB AVAILABILITY IN DELAWARE BAY? (5612)	Reed, J M ; DesRochers, D W; VanderWerf, E; Scott, J M; CONSERVATION-RELIANT BIRDS OF HAWAII: ALIEN SPECIES, DISEASE, AND CLIMATE CHANGE (5406)	Kerr, K C ; Birks, S M; Kalyakin, M V; Hebert, P D; COI BARCODE RESOLUTION FOR EASTERN PALEARCTIC BIRDS: REVISITING SPECIES BOUNDARIES IN HIGH-LATITUDE BIRDS (5529)	Hill, G E ; Ligon, R A; McGraw, K J; THE EVOLUTION OF CAROTENOID PIGMENT SYSTEMS: A BIOCHEMICAL AND PHYLOGENETIC APPROACH (5216)	Olson, J M ; Caragiulo, A; Soucier, D; ADAPTIVE RESPONSE OF JAPANESE QUAIL TO COLD ACCLIMATION: MORPHOLOGICAL AND BIOCHEMICAL PROPERTIES OF SKELETAL MUSCLE (5614)

Scientific Program, Thursday, 13 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
15:15	A01 Anthropogenic structures *Maccchia, E T ; Bednarz, J C; Grippo, R S; THE INFLUENCE OF WEATHER ON AVIAN COLLISIONS AT COMMUNICATION TOWERS (5280)	S01 Shorebirds in Delaware Bay Sitters et al. (Dey) (cont.)	S02 Conservation-reliant Birds Reed et al. (cont.)	G08 Molecular Ecology Peters, J L ; Winker, K; McCracken, K G; NUCLEAR INTRONS VIOLATE THE ASSUMPTION OF SELECTIVE NEUTRALITY (5558)	G09 Sexual Selection *Hubbard, J K ; Swaddle, J P; HE'S JUST NOT THAT INTO YOU: VARIATION IN FEMALE COLORATION IS NOT DRIVEN BY MALE MATE CHOICE IN EASTERN BLUEBIRDS (5295)	G10 Physiology *Wilcoxon, T E ; Bridge, E S; Boughton, R K; Reynolds, S J; Schoech, S J; REPRODUCTIVE SENESCENCE IN FLORIDA SCRUB-JAYS: A PHYSIOLOGICAL PERSPECTIVE (5160)
15:30	Coffee break – Houston Hall Reading Room					
16:00	G07 Brood Parasitism Moderator: C Hahn DaCosta, J M ; Modak, T; Sorenson, M D; SONG DIFFERENTIATION AND DISCRIMINATION OF INDIGOBIRDS IN EAST AFRICA (5402)	Mizrahi, D S ; Peters, K A; CONSERVATION OF SEMIPALMATED SANDPIPER: DELAWARE BAY AND BEYOND (5370)	Bocetti, C I ; GOING BEYOND THE ENDANGERED SPECIES ACT: A NEW MODEL FOR POST-RECOVERY MANAGEMENT FOR THE COMPLETELY CONSERVATION-RELIANT KIRTLAND'S WARBLER (5544)	Schrey, A ; Grispo, M; Awad, M; McCoy, E; Mushinsky, H; Albayrak, T; Bensch, S; Jensen, H; Reynolds, A; Westerdahl, H; Zehindjiev, P; Martin, L; MICROSATELLITE ANALYSIS OF POPULATION STRUCTURE IN THE HOUSE SPARROW (5313)	*Keagy, J ; Savard, J F; Borgia, G; MALE GENERAL COGNITIVE ABILITY INFLUENCES MALE MATING SUCCESS IN THE SATIN BOWERBIRD (5243)	*DuRant, S E ; Hepp, G R; Moore, I T; Hopkins, B C; Hopkins, W A; SLIGHT CHANGES IN INCUBATION TEMPERATURE AFFECT EARLY GROWTH AND STRESS ENDOCRINOLOGY IN WOOD DUCK (AIX SPONSA) DUCKLINGS (5211)
16:15	Gall, M D ; Lucas, J R; AUDITORY RESPONSES TO PURE TONES AND AMPLITUDE MODULATION IN THE BROWN-HEADED COWBIRD AND THE RED-WINGED BLACKBIRD (5326)	McGowan, C P ; Smith, D R; Nichols, J D; Sweka, J; Martin, J; Lyons, J E; Niles, L J; Kalasz, K; Wong, R; Brust, J; PREDICTIVE MODELS TO EVALUATE MANAGEMENT ALTERNATIVES FOR RED KNOTS AND HORSESHOE CRABS IN THE DELAWARE BAY (5437)	Elphick, C S ; CONSERVATION RELIANCE IN AN ERA OF CLIMATE CHANGE: CAN WE SAVE SALTMARSH SPARROWS AS THE OCEANS RISE? (5310)	*Taylor, S A ; Anderson, D A; MacLagan, L C; Friesen, V L; QUIRKY IN MORE WAYS THAN ONE: POPULATION GENETICS OF THE BLUE-FOOTED BOOBY (5314)	Freeman-Gallant, C R; Taff, C C ; Morin, D F; Dunn, P O; Whittingham, L A; Tsang, S M; MULTIPLE MALE ORNAMENTS AND AGE- AND CONDITION-DEPENDENT SIGNALING IN THE COMMON YELLOWTHROAT (5213)	Bisson, I A ; Butler, L K; Hayden, T J; Romero, L M; Wikelski, M C; NO ENERGETIC COST OF DISTURBANCE IN MIGRATORY SONGBIRDS (5321)
16:30	*Stoddard, M C ; Stevens, M; EGG PATTERN MIMICRY BY THE COMMON CUCKOO: A BIRD VISION PERSPECTIVE (5517)	McGowan, C P ; Smith, D R; Nichols, J D; Sweka, J; Martin, J; Lyons, J E; Niles, L J; Kalasz, K; Wong, R; Brust, J; PREDICTIVE MODELS TO EVALUATE MANAGEMENT ALTERNATIVES FOR RED KNOTS AND HORSESHOE CRABS IN THE DELAWARE BAY (5437)	Elphick, C S ; CONSERVATION RELIANCE IN AN ERA OF CLIMATE CHANGE: CAN WE SAVE SALTMARSH SPARROWS AS THE OCEANS RISE? (5310)	*Wetzel, D P ; Oh, H S; Westneat, D F; INDIVIDUAL GENETIC DIVERSITY PREDICTS CLUTCH SIZE IN A WILD BIRD POPULATION (5190)	Olsen, B J ; Greenberg, R; Walters, J R; THE SELECTIVE FORCES BEHIND BILL DIMORPHISM IN THE SWAMP SPARROW (5427)	*Merrill, L ; Rothstein, S J; O'Loughlin, A; THE EFFECTS OF STRESS ON THE INNATE IMMUNE SYSTEM OF THE BROWN-HEADED COWBIRD AS MEDIATED BY THE STRESS HORMONE CORTICOSTERONE (5306)

Scientific Program, Thursday, 13 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
16:45	G07 Brood Parasitism White, D J ; COUNTING CHICKS BEFORE THEY HATCH: FEMALE COWBIRDS CAN TIME READINESS OF A HOST NEST FOR PARASITISM (5225)	S01 Shorebirds in Delaware Bay McGowan et al. (cont.)	S02 Conservation-reliant Birds Elphick (cont.)	G08 Molecular Ecology *Wright, N A ; Steadman, D W; GENE FLOW AND DIVERGENCE IN BIRDS ON THE ISLANDS OF TRINIDAD AND TOBAGO (Abstract ID: 5434)	G09 Sexual Selection Omland, K E ; Price, J J; Lanyon, S M; Hofmann, C M; Friedman, N R; Kondo, B; Jacobsen, F; TEMPERATE ZONE BIASES IN STUDIES OF SEXUAL DIMORPHISM: PHYLOGENETIC STUDIES OF PLUMAGE AND SONG EVOLUTION IN NEW WORLD ORIOLES (5399)	G10 Physiology Safran, R J ; McGraw, K J; Wilkins, M R; Hubbard, J K; POSITIVE ANTIOXIDANT BALANCE OVER THE BREEDING SEASON PREDICTS REPRODUCTIVE PERFORMANCE IN BARN SWALLOWS (5251)
17:00	*Long, A M ; Jensen, W E; Matlack, R S; EFFECTS OF PRESCRIBED BURNING AND MESQUITE DENSITY ON THE SUCCESS AND BROOD PARASITISM OF LARK SPARROW NESTS (5298)	Baker, A J ; Gonzalez, P M; Aubry, Y; Morrison, R G; Atkinson, P; RED KNOT IN THE WESTERN HEMISPHERE: HOW IMPORTANT IS DELAWARE BAY TO POPULATION VIABILITY? (5426)	Luther, D A ; Neel, M; MANAGEMENT STRATEGIES AND ACTIONS FOR CONSERVATION-RELIANT BIRDS (5170)	Lerner, H R ; Meyer, M; Hofreiter, M; James, H; Fleischer, R C; RESOLVING THE PHYLOGENY OF THE HAWAIIAN HONEYCREEPERS (DREPANIDINAE) WITH 454 PARALLEL TAGGED SEQUENCING OF COMPLETE MITOCHONDRIAL GENOMES (5366)	Rowe, M ; Swaddle, J P; Webster, M S; EJACULATE QUALITY, PLUMAGE COLORATION AND REPRODUCTIVE PHENOTYPE IN THE RED-BACKED FAIRY-WREN (5518)	Horton, B M ; Yoon, J M; Sillett, T S; Ghalambor, C K; Moore, I T; GEOGRAPHIC VARIATION IN TESTOSTERONE DURING BREEDING IN MALE ORANGE-CROWNED WARBLERS (5513)
17:15	Hahn, D C ; Kogut, M H; Genovese, K J; He, H; Summers, S G; Reisen, W K; HEIGHTENED EXPOSURE TO PARASITES DRIVES THE EVOLUTION OF IMMUNITY (5469)			Carling, M D ; Lovette, I J; Brumfield, R T; HISTORICAL DIVERGENCE AND GENE FLOW: COALESCENT ANALYSES OF MITOCHONDRIAL, AUTOSOMAL AND SEX-LINKED LOCI IN <i>PASSERINA</i> BUNTINGS (5309)	Vacant	Walker, B G ; Villanueva, C; DEVELOPMENT OF THE STRESS RESPONSE IN MAGELLANIC PENGUIN CHICKS HATCHED IN EITHER TOURIST-DISTURBED OR UNDISTURBED AREAS OF A BREEDING COLONY IN ARGENTINA (5263)
17:30 - 1800	Buses depart for Zoo Night and Student Quiz Bowl at Philadelphia Zoo (transportation free for all fully registered attendees) Leaving from 34 th Street, east side of Irvine Auditorium					

Scientific Program, Friday, 14 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
08:00		Keynote 1: Jarvis, E D ; EVOLUTION OF BRAIN SYSTEMS FOR COMPLEX BEHAVIORAL TRAITS: SONG IN BIRDS AND SPOKEN LANGUAGE IN HUMANS. Introduction: G Hough	Keynote 2: Stutchbury, B J ; CARRY-OVER EFFECTS IN NEOTROPICAL MIGRATORY SONGBIRDS: REPRODUCTIVE EFFORT, MOLT AND MIGRATION. Introduction: A Desrochers	Keynote 3: Kilpatrick, A M ; BIRDS, VIRUSES, AND ANTHROPOGENIC CHANGE – A MOLOTOV COCKTAIL IN THE MAKING. Introduction: C Williams		
	G11 Biogeography Moderator: M Miller	S03 Communication in Birds and Brains Moderator: S Wooley	S06 Research on USFS Experimental Forests Moderator: S Stolesen	G13 Population Ecology Moderator: J Mager	G12 Tropical Ecology Moderator: C Lindell	S08 Golden-winged Warbler Conservation Moderator: D Buehler
09:00	Billo, T ; ISLAND BIOGEOGRAPHY AND THE ORIGIN OF THE LEMON-COLLARED MANAKIN IN BOCAS DEL TORO, PANAMA (5609)	S03: Liu, W ; SONG LEARNING STRATEGIES IN THE DEVELOPING SONGBIRDS (5594)	S06: Yamasaki, M ; King, D I ; Costello, C A; DeGraaf, R M; SILVICULTURAL SYSTEMS AND FOREST BIRD COMMUNITIES: LONG-TERM RESEARCH ON THE BARTLETT EXPERIMENTAL FOREST (5506)	* Lear, K M ; Ellis, A B; Brown, C R; NETTING METHODS INFLUENCE AGE DISTRIBUTION IN SAMPLES OF CLIFF SWALLOW (5396)	Cook, A G ; SALIENT AVIAN OBSERVATIONS IN A NEOTROPICAL ENDEMIC HOTSPOT (5436)	Buehler, D A ; Bulluck, L P; Caruso, K; Percy, K; EFFECTS OF PRESCRIBED BURNING ON GOLDEN- WINGED WARBLER POPULATIONS IN THE CUMBERLAND MOUNTAINS, TENNESSEE (5283)
09:15	Ribas, C C ; Aleixo, A P; Miyaki, C Y; Cracraft, J L; HISTORICAL BIOGEOGRAPHY OF TRUMPETERS (GRUIFORMES; PSOPHIA) IN THE AMAZON BASIN AND THE QUATERNARY EVOLUTION OF THE AMAZONIAN AVIFAUNA (5376)			* Luscier, J D ; Smith, K G; MULTI-SEASON OCCUPANCY ESTIMATION FOR MONITORING RUSTY BLACKBIRDS IN THE LOWER MISSISSIPPI ALLUVIAL VALLEY (5192)	Lebbin, D J ; Jones, E; Gallo, A; HABITAT USE, DISTRIBUTION, AND CONSERVATION OF YELLOW-BILLED COTINGA IN COSTA RICA (5250)	

Scientific Program, Friday, 14 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
09:30	G11 Biogeography Cracraft, J L ; Ribas, C C; A MODEL OF AMAZONIAN DIVERSIFICATION OVER THE PAST 3 MYR: WHAT THE BIOGEOGRAPHY OF <i>PSOPHIA</i> TEACHES US ABOUT THE ORIGINS OF A HIGHLY DIVERSE BIOTA (5548)	S03: Communication in Birds and Brains S03: Vicario, D S ; Phan, M L; WHAT'S THAT TUNE? BIRDS HAVE TO REMEMBER (5451)	S06: Research on USFS Experimental Forests S06: Wood, P B ; McDermott, M E; Duguay, J P; AVIAN RESPONSE TO TWO-AGE FOREST MANAGEMENT ON THE MONONGAHELA NATIONAL FOREST (5245)	G13 Population Ecology Murphy, M T ; Redmond, L J; FIRST-YEAR SURVIVAL OF EASTERN KINGBIRDS, AND COMPARATIVE METHODS FOR ESTIMATION IN OTHER SPECIES (5547) Wilson, A M ; Muivihill, R S; Brauning, D W; Diefenbach, D R; Farnsworth, G L; BIRD POPULATION ESTIMATES FOR PENNSYLVANIA: THE ADDED VALUE OF DENSITY ESTIMATES IN BIRD ATLAS PROJECTS (5381)	G12 Tropical Ecology Mattsson, B J ; Hernandez-Divers, S M; Cooper, R J; Carroll, CR; SEASONAL COMPOSITION AND DYNAMICS OF BIRD COMMUNITIES IN SECONDARY FOREST AND SHADE-COFFEE PLANTATIONS OF THE SAN LUIS VALLEY, COSTA RICA (5412) Anderson, D L ; Naka, L N; COMPARATIVE STRUCTURE AND ORGANIZATION OF CANOPY BIRD COMMUNITIES IN HONDURAS AND BRAZIL (5270)	S08 Golden-winged Warbler Conservation Larkin, J L ; Grata, J; Duchamp, J E; Confer, J L; GOLDEN-WINGED WARBLER BREEDING HABITAT CHARACTERIZATION IN PENNSYLVANIA (5290)
09:45	*Nakazawa, Y ; AN ENVIRONMENTALLY-BASED NULL MODEL FOR BIODIVERSITY IN SOUTH AMERICA AND AFRICA (5168)					
10:00	Coffee break, Houston Hall Reading Room					
10:30	Sheldon, F H ; Lim, H C; Moyle, R G; RECENT ADVANCES IN AVIAN BIOGEOGRAPHY ON SOUTHEAST ASIAN ISLANDS (5325)	S03: White, D J ; THE FUNCTION OF SONG IN COWBIRDS: MALE COMPETITION, FEMALE PREFERENCES, AND REPRODUCTIVE SUCCESS (5183)	S06: Purcell, K L ; LONG TERM AVIAN RESEARCH AT THE SAN JOAQUIN EXPERIMENTAL RANGE: RECOMMENDATIONS FOR MONITORING AND MANAGING OAK WOODLANDS (5546)	Dornak, L L ; Peterson, A T; SPATIOTEMPORAL VARIATION IN HENSLOW'S SPARROW POPULATIONS AT THREE SPATIAL SCALES (5414)	Ortiz-Pulido, R ; Martinez-Garcia, V; Martinez-Garcia, A L; Diaz-Palacios, S A; Arregui, L; Diaz-Valenzuela, R; Lara-Rodriguez, N Z; PATTERNS IN THE RELATIONSHIP HUMMINGBIRD-PLANT IN CENTRAL EASTERN MEXICO (5175)	Aldinger, K A ; Wood, P B; GOLDEN-WINGED WARBLER ECOLOGY AND MANAGEMENT ON GRAZING AREAS (5271)

Scientific Program, Friday, 14 August

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10:45	G11 Biogeography Quintero, E; Cracraft, J L; PHYLOGENY AND BIOGEOGRAPHY OF A CLADE OF MANGOES (AVES, TROCHILIDAE) (5479)	S03 Communication in Birds and Brains White (cont.)	S06 Research on USFS Experimental Forests Purcell (cont.)	G13 Population Ecology *McClure, C J; Estep, L K; Hill, G E; ARE HOUSE FINCHES RESPONSIBLE FOR HOUSE SPARROW POPULATION DECLINES IN THE SOUTHEASTERN US? (5359)	G12 Tropical Ecology Johnson, E I; Stouffer, P C; MOLT-BREEDING OVERLAP IN A FRAGMENTED AMAZONIAN LANDSCAPE (5278)	S08 Golden-winged Warbler Conservation Aldinger et al. (cont.)
11:00	Sly, N D; Townsend, A K; Rimmer, C C; Townsend, J M; Latta, S C; Lovette, I J; COMPARATIVE PHYLOGEOGRAPHY OF HISPANIOLAN ENDEMIC BIRDS (5496)	S03: Hauber, M E; Campbell, D; THE PERCEPTUAL BASIS OF SPECIES RECOGNITION IN CAPTIVE ZEBRA FINCHES: NEW INSIGHTS FROM NEW STIMULUS SETS (5167)	S06: Holmes, R T; BIRDS IN NORTHERN HARDWOODS ECOSYSTEMS: LONG- TERM RESEARCH ON POPULATION AND COMMUNITY PROCESSES IN THE HUBBARD BROOK EXPERIMENTAL FOREST (5233)	Pinney, T A; Gutzwiller, K J; DISTANCE DECAY IN BIRD COMMUNITY SIMILARITY: ARE NEUTRAL THEORY AND NICHE- ASSEMBLY THEORY POSSIBLE EXPLANATIONS? (5236)	Stouffer, P C; Johnson, E I; Bierregaard, R O; EXTINCTION AND COLONIZATION DYNAMICS IN AMAZONIAN RAINFOREST FRAGMENTS (5279)	Roth, A M; Flaspohler, D J; Webster, C; GOLDEN- WINGED WARBLER ECOLOGY IN ASPEN FORESTS MANAGED WITH LEGACY TREE RETENTION (5358)
11:15	Benz, B W; PHYLOGEOGRAPHY, COURTSHIP ETHOLOGY, AND SPECIES LIMITS IN THE MACGREGOR'S BOWERBIRD COMPLEX (AMBLYORNIS MACGREGORIAE) (5542)			Vitz, A C; Bontter, D N; THE ROLE OF BANDING DATA TO EVALUATE AVIAN POPULATION TRENDS (5543)	*Ruiz-Gutierrez, V; Zipkin, E F; Dhondt, A A; FOREST FAVORED ACROSS SPECIES IN TROPICAL BIRD COMMUNITY (5163)	
11:30	Arbeláez-Cortés, E; Navarro-Sigüenza, A G; PHYLOGEOGRAPHY OF THE SPOT-CROWNED WOODCREEPER (AVES: FURNARIIDAE) IN MESOAMERICA (5255)	S03: Woolley, S M; WHAT IS SPECIAL ABOUT HOW THE BRAIN HEARS SONG (5246)	S06: Wunderle, J M; Arendt, W J; AVIAN STUDIES AND HURRICANE DISTURBANCE IN THE LUQUILLO EXPERIMENTAL FOREST, PUERTO RICO (5200)	Tarwater, C E; Brawn, J D; HIGH FIRST YEAR SURVIVAL AND DELAYED AGE OF MATURITY IN A TROPICAL PASSERINE BIRD (5269)	Shriver, W G; Gibbs, J P; Woltz, H W; Schwarz, N P; Pepper, M A; GALAPAGOS RAIL POPULATION CHANGE AND OCCUPANCY ASSOCIATED WITH HABITAT INVASION BY THE RED-BARKED QUININE TREE (5240)	Rosenberg, K V; Barker Swarthout, S; Chandler, R; King, D I; Escañó, M; RANGE-WIDE AND FULL LIFE-CYCLE MONITORING AND HABITAT ASSOCIATIONS OF GOLDEN-WINGED WARBLER. (5458)

Scientific Program, Friday, 14 August

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11:45	G11 Biogeography *Lim, H C; Sheldon, F H; EXAMINING DIVERSIFICATION OF AVIAN LINEAGES IN INDO-MALAYAN ARCHEPELAGO USING STATISTICAL PHYLOGEOGRAPHY AND ECOLOGICAL NICHE MODELING (5374)	S03 Communication in Birds and Brains Woolley (cont.)	S06 Research on USFS Experimental Forests Wunderle (cont.)	G13 Population Ecology Shustack, D P; HOW MANY NESTS ARE IN THE POPULATION? A SYSTEMATIC EVALUATION OF THE HORVITZ-THOMPSON ESTIMATOR FOR NESTS PRESENT BUT UNDETECTED (5455)	G12 Tropical Ecology Lindell, C A; Cole, R J; Holl, K D; Zahawi, R A; PLANTING DESIGN, LANDSCAPE, AND SEASONAL INFLUENCES ON THE USE OF TROPICAL RESTORATION SITES BY WINTERING NEOTROPICAL MIGRANTS (5196)	S08 Golden-winged Warbler Conservation Rosenberg (cont.)
12:00	Miller, M J; Bermingham, E; Klicka, J; Escalante, P; Winker, K; NEOTROPICAL BIRDS SHOW A HUMPED DISTRIBUTION OF GENETIC DIVERSITY ALONG A LATITUDINAL TRANSECT (5604)	S03: Schmidt, M F; COORDINATING BOTH HEMISPHERES DURING THE PRODUCTION OF SONG (5572)	S06: Greenberg, C H; Lanham, J D; Whitehead, M A; DISTURBANCE IMPACTS ON AVIAN COMMUNITIES IN THE SOUTHERN APPALACHIANS (5493)	*Barron, D G; Brawn, J D; Weatherhead, P J; META-ANALYSIS OF TRANSMITTER EFFECTS ON AVIAN BEHAVIOR AND ECOLOGY (5403)	*Norris, J L; THE POTENTIAL PROBLEM OF PENGUINS FOR AVIAN CONSERVATION IN COSTA RICA (5378)	Vallender, R; VanWigenburg, S; Bulluck, L P; Roth, A M; Canterbury, R; Larkin, J L; Lovette, I J; EXTENSIVE RANGEWIDE MITOCHONDRIAL INTROGRESSION INDICATES SUBSTANTIAL CRYPTIC HYBRIDIZATION IN THE GOLDEN-WINGED WARBLER (5260)
12:15	Vacant			Hill, J M; Elphick, C S; WHAT IS THE FREQUENCY OF UNREPORTED PROBLEMS IN AVIAN TELEMETRY STUDIES? (5197)	Vacant	
12:30	<p>Lunch break</p> <p>AOU Editorial Board lunch meeting (HH Golkin Room)</p>					

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14:00	<p>G15 Systematics Moderator: B Clark</p> <p>Graham, C H; Parra, J L; Rahbek, C; McGuire, J A; PHYLOGENETIC COMMUNITY STRUCTURE IN TROPICAL HUMMINGBIRD COMMUNITIES (5464)</p>	<p>G14 Coloration Moderator: I Stewart</p> <p>Ardia, D R; Broughton, D R; Gleicher, M; SHORT-TERM EXPOSURE TO TESTOSTERONE INCREASES DOMINANCE INTERACTIONS AND ENHANCES BILL COLOR IN ZEBRA FINCHES (5189)</p>	<p>S06 Research on USFS Experimental Forests (cont.)</p> <p>Ralph, C J; Miller, S L; Paton, P; THE MARBLED MURRELET AND THE CRITICAL ROLE OF THE REDWOOD EXPERIMENTAL FOREST (5300)</p>	<p>G17 Habitat and Resource Use Moderator: E Paul</p> <p>Hitch, A T; Grand, J B; SOURCES OF VARIATION IN DETECTION PROBABILITY FOR BIRDS IN HABITAT RELATIONSHIP MODELS (5474)</p>	<p>G16 Wetland and Water Birds Moderator: T Arnold</p> <p>*Barcelo, I; Chavez- Ramirez, F; INFLUENCE OF FOOD AND PREDATOR ABUNDANCE ON STRESS LEVELS OF SANDHILL CRANES WINTERING IN NORTHERN MEXICO (5191)</p>	<p>S05 Bicknell's Thrush Moderator: C Rimmer</p> <p>Rimmer, C C; Hart, J A; Dettmers, R P; Whittam, B; McFarland, K P; Aubry, Y; BICKNELL'S THRUSH – CONSERVATION IN THE FACE OF LONG ODDS (5347)</p>
14:15	<p>*Bravo, G A; Brumfield, R T; PHYLOGENETIC ANALYSIS OF PHENOTYPIC DIVERGENCE IN THE ANTBIRDS (5505)</p>	<p>*Williams, S M; Bliss, T S; Stenger, J M; Burt, Jr, E H; DARK BILLS TO REDUCE GLARE IS A WIDESPREAD ADAPTATION AMONG BIRDS (5560)</p>	<p>Schukman, J M; *Lira- Noriega, A; Peterson, A T; ECOLOGICAL CHARACTERIZATION OF SAY'S AND EASTERN PHOEBES AT MULTIPLE SPATIAL SCALES (5174)</p>	<p>Schukman, J M; *Lira- Noriega, A; Peterson, A T; ECOLOGICAL CHARACTERIZATION OF SAY'S AND EASTERN PHOEBES AT MULTIPLE SPATIAL SCALES (5174)</p>	<p>Sherfy, M H; Anteau, M J; Shaffer, T L; Sovada, M A; Strong, L L; Stucker, J H; Skone, B R; Wiltermuth, M T; SURVIVAL AND FATE OF MISSOURI RIVER LEAST TERN AND PIPING PLOVER NESTS - DOES MONITORING INTENSITY MATTER? (5502)</p>	<p>Townsend, J M; Rimmer, C C; McFarland, K P; GENDER AND AGE DISTRIBUTION OF BICKNELL'S THRUSH AT TWO WINTERING SITES IN THE DOMINICAN REPUBLIC: EVIDENCE FOR SEXUAL HABITAT SEGREGATION (5229)</p>
14:30	<p>Sanin, C; Cadena, C D; Maley, J M; Lijtmaer, D A; Tubaro, P L; Chesser, R T; PHYLOGEOGRAPHY OF <i>CINCLODES FUSCUS</i>, AN OVENBIRD OF THE ANDES AND PATAGONIA (5449)</p>	<p>*Hanley, D; Doucet, S M; THE EVOLUTION OF AVIAN EGG COLOR: A COMPARATIVE ANALYSIS (5524)</p>	<p>S06: Stoleson, S H; King, D I; EXPERIMENTAL FORESTS AND RANGES: EMERGENT THEMES, OPPORTUNITIES, AND CHALLENGES (5619)</p>	<p>*Rolek, B W; Hill, G E; MICROHABITAT ASSOCIATIONS OF WINTERING BIRDS IN A SOUTHEASTERN BOTTOMLAND FOREST WITHIN THE EASTERN GULF COASTAL PLAIN (5352)</p>	<p>Ray, K L; Karpanty, S M; Fraser, J D; WILSON'S PLOVER POPULATION ECOLOGY AND HABITAT USE AT MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA (5447)</p>	<p>Townsend, J M; Rimmer, C C; McFarland, K P; GENDER AND AGE DISTRIBUTION OF BICKNELL'S THRUSH AT TWO WINTERING SITES IN THE DOMINICAN REPUBLIC: EVIDENCE FOR SEXUAL HABITAT SEGREGATION (5229)</p>
14:45	<p>Maley, J M; Brumfield, R T; CALIFORNIA CLAPPER RAILS ARE A DISTINCT, ENDANGERED SPECIES (5391)</p>	<p>*Smith, L A; Burt, Jr, E H; THE GEOGRAPHY OF PARROT COLORATION (5485)</p>	<p>Coulombe, G L; Kesler, D C; RESOURCE SELECTION OF A CRITICALLY ENDANGERED KINGFISHER IN AN AGRICULTURAL ISLANDSCAPE: A MULTI- SCALE STUDY (5563)</p>	<p>Coulombe, G L; Kesler, D C; RESOURCE SELECTION OF A CRITICALLY ENDANGERED KINGFISHER IN AN AGRICULTURAL ISLANDSCAPE: A MULTI- SCALE STUDY (5563)</p>	<p>Green, L R; Fong, P M; MACROALGAL MATS ALTER FORAGING BEHAVIOR OF SHOREBIRDS IN A SOUTHERN CALIFORNIA ESTUARY (5195)</p>	<p>Townsend, J M; Rimmer, C C; McFarland, K P; GENDER AND AGE DISTRIBUTION OF BICKNELL'S THRUSH AT TWO WINTERING SITES IN THE DOMINICAN REPUBLIC: EVIDENCE FOR SEXUAL HABITAT SEGREGATION (5229)</p>

Scientific Program, Friday, 14 August

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	G15 Systematics	G14 Coloration	A02 Great Lakes Moderator: D Weseloh	G17 Habitat and Resource Use	G16 Wetland and Water Birds	S05 Bicknell's Thrush
15:00	*McKay, B D ; Zink, R M; THE CAUSES OF MITOCHONDRIAL DNA GENE TREE PARAPHYLY IN BIRDS (5171)	Lombardo, M P ; Thorpe, P A; Colpetzer, S; SOCIAL ENVIRONMENT AND BEAK COLOR IN HOUSE SPARROWS (5258)	Duerr, A E ; DOUBLE-CRESTED CORMORANTS ON THE GREAT LAKES: POPULATION DYNAMICS, MOVEMENTS, AND MANAGEMENT (5356)	Bernard, M J ; Goodrich, L; Brittingham, M C; SHIFTS IN OVENBIRD TERRITORIES IN A CONTIGUOUS FOREST (5468)	Colchero, F ; Bass, Jr, O L; Zambrano, R; Gore, J A; CLUSTERED NESTING AND VEGETATION THRESHOLDS REDUCE EGG PREDATION IN SOOTY TERNS: IMPLICATIONS FOR MANAGEMENT (5397)	McFarland, K P ; Rimmer, C C; Aubry, Y; Sillett, T S; Paradis, S; MODELING POPULATION GROWTH OF BICKNELL'S THRUSH ACROSS A LATITUDINAL GRADIENT (5268)
15:15	Oliveros, C H; Moyle, R G ; ORIGIN AND DIVERSIFICATION OF PHILIPPINE BULBULS (5559)	Prum, R O ; Saranathan, V; SELF-ASSEMBLY OF COLOR-PRODUCING AVIAN AMORPHOUS NANOSTRUCTURES BY PHASE SEPARATION (5568)	Owen, J C ; DISEASES OF FISH-EATING BIRDS IN THE GREAT LAKES (5587)	Blanc, L A ; Martin, K; CAN TREE DECAY DYNAMICS AND STAND DECAY PROFILES SERVE AS PREDICTORS OF FUTURE WOODPECKER-FRIENDLY FORESTS? (5346)	Palestis, B G ; THE EFFECTS OF FLOODING ON SALTMARSH-NESTING COMMON TERNS (5320)	
15:30	Coffee break, Houston Hall Reading Room					
16:00	Guers, S L ; Sharbaugh, S M; UNRAVELING THE MOLT PATTERN OF ARCTIC WARBLERS THAT BREED IN ALASKA (<i>PHYLLOSCOPUS BOREALIS KENNECOTTI</i>) (5395)	*Saranathan, V ; Prum, R O; EVOLUTIONARY PHOTONICS OF AVIAN AMORPHOUS NANOSTRUCTURES (5466)	Moore, D J; Weseloh, D V ; King, D T; Chastant, J; SEASONAL TURNOVER OF COLOR-BANDED DOUBLE-CRESTED CORMORANTS AT A COLONY/ROOST IN EASTERN LAKE ONTARIO (5586)	Johnson, C B ; Grand, J B; THE RELATIONSHIP BETWEEN WILDLIFE OPENINGS AND BIRD USE IN THE EAST GULF COASTAL PLAIN (5444)	Hepp, G R ; Kennamer, R A; DO INCUBATION COSTS CAUSE WOOD DUCKS TO DELAY NESTING? (5461)	McKinnon, E A ; Fraser, K C; Diamond, A W; BICKNELL'S AND SWAINSON'S THRUSHES IN REGENERATING NEW BRUNSWICK CLEARCUTS: NICHE SEPARATION BY NEST SITE AND DIET (5224)
16:15	Lindsay, W R ; Karubian, J; Schwabl, H H; Webster, M S; SOCIAL ENVIRONMENT INDUCES HORMONAL AND MORPHOLOGICAL CHANGES IN A COOPERATIVELY-BREEDING BIRD (5293)	Shultz, A J ; Burns, K J; SEXUAL DICHROMATISM IN TANAGERS AND CARDINALS: EVOLUTION FROM AN AVIAN PERSPECTIVE (5519)	Roche, E A ; Cuthbert, F J; Arnold, T W; PARTITIONING ANNUAL SURVIVAL OF GREAT LAKES PIPING PLOVERS (5541)	Choo, J ; Foster, M; THE TIMING OF LIFE CYCLE EVENTS IN EQUATORIAL BIRDS - AN INTERTROPICAL COMPARISON AND REVIEW (5221)	Hill, C E ; Gjerdrum, C; Elphick, C S; HIGHLY PROMISCUOUS MATING IN THE SALT MARSH SHARP-TAILED SPARROW <i>AMMODRAMUS CAUDACUTUS</i> (5291)	

Scientific Program, Friday, 14 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Café 58	IA Amado Recital
	G15 Systematics	G14 Coloration	A02 Great Lakes	G17 Habitat and Resource Use	G16 Wetland and Water Birds	S05 Bicknell's Thrush
16:30	McGowan, K J ; Gray, R D; Hunt, G R; PHYSICAL ADAPTATIONS FOR TOOL USE IN THE NEW CALEDONIAN CROW (5475)	*Germain, R R ; Marra, P P; Ratcliffe, L M; BLACKER SUBADULT MALES OCCUPY SUPERIOR WINTER TERRITORIES IN THE AMERICAN REDSTART (5450)	Weseloh, D V ; Bowerman, W; Braune, B; Drouillard, K; SPATIAL AND TEMPORAL TRENDS IN MERCURY IN HERRING GULL EGGS FROM 25 GREAT LAKES SITES, 1974-2007 (5574)	LaRoche, D D ; Conway, C J; Kirkpatrick, C K; Swann, D E; EVALUATING THE INFLUENCE OF SURFACE WATER ON BIRD DIVERSITY AND ABUNDANCE IN SOUTHWESTERN RIPARIAN WOODLANDS (5527)	Thompson, S J; Arnold, T W ; FACTORS AFFECTING NEST SUCCESS IN AMERICAN COOTS (5564)	Frey, S J ; Strong, A M; McFarland, K P; POPULATION-LEVEL IMPLICATIONS OF CLIMATE CHANGE FOR A MONTANE FOREST SONGBIRD, BICKNELL'S THRUSH (5463)
16:45	Clark, W S ; TAXONOMIC STATUS OF HARLAN'S HAWK (5204)	Stewart, J ; Westneat, D F; SOCIAL EXPERIENCE DURING MOLT DOES NOT AFFECT BIB SIZE IN JUVENILE HOUSE SPARROWS (5530)	Hebert, C E ; Weseloh, C; Arts, M T; RESTORING PISCIVOROUS FISH POPULATIONS IN THE GREAT LAKES CAUSES SEABIRD DIETARY CHANGE (5228)	*Puckett, H L ; Burger, L W; Riffell, S K; CONSERVATION BUFFERS FOR BREEDING GRASSLAND BIRDS IN MISSISSIPPI (5281)	Arnold, T W ; THE ADAPTIVE SIGNIFICANCE OF BROOD SIZE IN AMERICAN COOTS (5533)	
17:00 – 18:00	AOU Business Meeting — Houston Hall Class of 49 Auditorium					
18:00	Golden-winged Warbler Working Group, HH Golkin Room					
18:30 – 20:15	Poster Session I and Special Poster Session I- Works in Progress (even-numbered posters) Hall of Flags, Houston Hall					
20:15 – 22:00	Poster Session II and Special Poster Session II- Works in Progress (odd-numbered posters) Hall of Flags, Houston Hall					

Scientific Program, Saturday, 15 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Amado Recital	College Hall 200
08:00		Keynote 5: Patricelli, G L ; SEXUAL SELECTION FOR NEGOTIATION SKILLS: USING ROBOTS AND ARRAYS TO STUDY COURTSHIP INTERACTIONS Introduction: D Dearborn	Keynote 6: Smith, W J ; ETHOLOGY, COMMUNICATION AND COMPLEXITY Introduction: A Mostrom			Keynote 4: Price, T ; ECOLOGICAL AND GEOGRAPHIC INFLUENCES ON BIRD SPECIATION Introduction: S Lanyon
	G20 Conservation & Management Moderator: T Engstrom	S09 Integrative Studies, Starlings & Mockingbirds Moderator: D Rubenstein	S07 Colonial Waterbirds of Northeast Moderator: S B Elbin	G19 Migration Ecology I Moderator: P Marra	G18 Evolution Moderator: K Bostwick	S10 Australian Phylogeography Moderator: L Joseph
09:00	Dauphine, N ; Kolani, Z; Holbech, L H; DEATH BY CHOCOLATE OR BY BULLET? THREATS TO FOREST BIRD CONSERVATION IN WEST AFRICA (5602)	Lovette, I J ; THE EVOLUTIONARY RADIATION OF THE STARLINGS AND MOCKINGBIRDS (5411)	Bernick, A J ; Elbin, S B; Liu, W; NEW YORK CITY AUDUBON'S HARBOR HERONS PROJECT: COLONIAL WATERBIRD POPULATION TRENDS IN NEW YORK/NEW JERSEY HARBOR, 1986-2008 (5430)	*Adams, E M ; Hobson, K A; Holberton, R L; ECOLOGICAL AND PHYSIOLOGICAL IMPLICATIONS OF MIGRATORY STRATEGIES: HORMONES AND STABLE ISOTOPES WORKING TOGETHER (5173)	Chen, N ; Clark, A G; WHERE'S DUBYA? IDENTIFYING W-SPECIFIC SEQUENCES IN THE AVIAN GENOME (5516)	Lee, J Y ; Cameron, S E; Edwards, S V; COMPARATIVE PHYLOGEOGRAPHY ACROSS AUSTRALIA'S CARPENTARIAN BARRIER: INTEGRATING PALEOENVIRONMENTAL AND MOLECULAR DATA (5520)
09:15	Pabian, S E ; Brittingham, M C; POSITIVE RESPONSE OF FOREST SONGBIRDS TO A LARGE-SCALE CALCIUM ADDITION (5312)			*Chui, C ; McGraw, K J; Douce, S M; MIGRATION TIMING, INDIVIDUAL CONDITION, AND CAROTENOID CONTENT MEDIATE CROWN COLOUR VARIATION IN GOLDEN-CROWNED KINGLETS (5570)	Fleischer, R C ; Young, S; Gonzalez, E G; EVOLUTION OF A MICROSATELLITE LOCUS IN THE CORVIDAE (5303)	
09:30	Sheehan, J ; Wood, P B; George, G A; McDermott, M E; McElhone, P; Perkins, K; Shumar, M; Buehler, D A; Keyser, P; Beachy, T; AVIAN COMMUNITY RESPONSE TO FOREST MANAGEMENT FOR CERULEAN WARBLERS IN THE CENTRAL APPALACHIANS (5353)	Rubenstein, D R ; Lovette, I J; CAUSES AND CONSEQUENCES OF SOCIALITY IN AFRICAN STARLINGS (5180)	Elbin, S B; Tsipoura, N ; URBAN COLONIALS AND IMPACTS OF SPRAWL: A CASE STUDY WITH GREAT EGRETS (5398)	Verkuil, Y I ; Karlionova, N; Wijemga, J J; Hooijmeijer, J C; Baker, A J; Piersma, T; FLEXIBLE FLYWAYS: ALTERATIONS IN MIGRATION ROUTES AND TACTICS IN RUFFS (5470)	Friedman, N R ; Hofmann, C M; Kondo, B; Omland, K E; CORRELATED EVOLUTION OF MIGRATION AND SEXUAL DICHROMATISM IN THE NEW WORLD ORIOLES (5330)	Balakrishnan, C N ; Edwards, S V; MULTILOCUS PHYLOGEOGRAPHY OF AUSTRALIAN GRASSFINCHES (5453)

Scientific Program, Saturday, 15 August

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09:45	G20 Conservation & Management Tozer, D C ; Nol, E; Burke, D M; Elliott, K A; ARE WE LEAVING ENOUGH OF THE RIGHT CAVITY TREES: A MESSAGE FROM WARBLERS AND WOODPECKERS? (5332)	S09 Integrative Studies, Starlings & Mockingbirds Rubenstein (cont.)	S07 Colonial Waterbirds of Northeast Elbin et al. (Tsipoura) (cont.)	G19 Migration Ecology I Karpany, S M ; Cohen, J B; Fraser, J D; EVIDENCE OF SUFFICIENT HORSESHOE CRAB EGGS FOR REDUCED RED KNOT POPULATION ON SPRING MIGRATION STOPOVER IN DELAWARE BAY, USA (5486)	G18 Evolution Hofmann, C M ; Kiere, L M; Price, J J; Cronin, T W; Omland, K E; CAROTENOID EVOLUTION IN CACIQUES AND ORIOLES: TWO VERY DIFFERENT PATTERNS OF COLOR EVOLUTION (5210)	S10 Australian Phylogeography Balakrishnan et al. (cont.)
10:00	Coffee break, Houston Hall Reading Room					
10:30	Tymkiw, E L ; Bowman, J L; Shriver, W G; EFFECT OF DEER DENSITY ON BREEDING BIRDS IN DELAWARE (5274)	Botero, C A ; Boogert, N J; Vehrencamp, S L; Lovette, I J; CLIMATIC PATTERNS PREDICT THE ELABORATION OF SONG DISPLAYS IN MOCKINGBIRDS (5610)	Master, T L ; RESPONSE OF COLONIALY NESTING RIPARIAN BIRD SPECIES TO CLIMATE CHANGE (5328)	Macías-Duarte, A ; Conway, C J; Culver, M; CONNECTIVITY IN BURROWING OWLS THROUGHOUT NORTH AMERICA (5373)	Mumme, R L ; Jablonski, P G; Pérez-Emán, J L; PARALLEL EVOLUTION IN THE TAIL PATTERN OF <i>MYIORBORUS</i> REDSTARTS OF LOWER- AND UPPER-MONTANE TROPICAL FORESTS (5178)	Kearns, A M ; Cook, L G; Joseph, L; THE AUSTRALO-PAPUAN BUTCHERBIRDS: COMPARATIVE STUDIES AMONG CLOSELY RELATED SPECIES (5394)
10:45	Hallinger, K K ; Duerr Cornell, K; Brasso, R L; Cristol, D A; SURVIVAL OF ADULT TREE SWALLOWS AT A SITE CONTAMINATED BY MERCURY (5400)	Calisi, R M ; Bentley, G E; RECENT WORK IN EUROPEAN STARLINGS YIELDS NOVEL INSIGHTS ON THE NEURAL CONTROL OF REPRODUCTION (5336)	Burger, J ; Gochfeld, M; Lesser, F; SEA LEVEL CHANGE AND RESPONSES BY COLONIAL WATERBIRDS IN NEW JERSEY (5185)	Raymundo, A A ; Buehler, D A; MONITORING THE EFFECT OF COASTAL DEVELOPMENT ON AVIAN MIGRATION STOPOVER HABITAT IN SIAN KA'AN BIOSPHERE RESERVE, QUINTANA ROO, MEXICO (5218)	Overington, S E ; Eaton, M D; Boogert, N J; Lefebvre, L; BRAIN SIZE EVOLUTION IN GRACKLES AND ALLIES (FAMILY ICTERIDAE) (5208)	Nyari, A S ; NORTHERN AUSTRALIAN MANGROVE BIRDS: COMPARATIVE STUDIES OF CO-DISTRIBUTED SPECIES IN A FRAGMENTED BIOME (5488)
11:00	McClung, M R ; Smith, K G; RESPONSE OF AVIAN POPULATIONS TO WOODLAND RESTORATION IN THE OZARK MOUNTAINS, ARKANSAS (5207)	Rodewald, P G ; Matthews, S N; Buchanan, A A; MOVEMENTS AND STOPOVER DURATION OF MIGRANT FOREST SONGBIRDS WITHIN DIFFERENT LANDSCAPES (5607)	Price, J J ; Lanyon, S M; Omland, K E; THE EVOLUTION OF FEMALE SONG IN THE NEW WORLD BLACKBIRDS (5165)			

Scientific Program, Saturday, 15 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Amado Recital	College Hall 200
11:15	G20 Conservation & Management Thompson, S G; Bednatz, J C; ARE BEWICKS WRENS (<i>THRYSOMANES</i> <i>BEWICKII BEWICKII</i>) EXTIRPATED FROM ARKANSAS? (5324)	S09 Integrative Studies, Starlings & Mockingbirds Calisi (cont.)	S07 Colonial Waterbirds of Northeast Burger et al. (cont.)	G19 Migration Ecology I Smith, S B; Paton, P; LONG-TERM CHANGES IN THE PHENOLOGY OF AUTUMN PASSERINE MIGRATION AT A SOUTHERN NEW ENGLAND STOPOVER SITE (5222)	G18 Evolution Witt, C C; Andrews, C B; McGuire, J A; Gregory, T R; GENOME SIZE EVOLUTION IN HUMMINGBIRDS (5528)	S10 Australian Phylogeography Nyaral (cont.)
11:30	Strong, A M; Perlut, N G; Alexander, T J; DELAYED SECOND CUTS: A NEW FARM BILL PROGRAM TO INCREASE GRASSLAND BIRD NEST SUCCESS (5311)	Mortensen, J L; Curry, R L; CONSERVATION ECOLOGY OF ENDEMIC CARIBBEAN MIMIDS (5514)	Kubiak, T J; CONTAMINANTS AS LIMITING FACTORS IN RESTORING COLONIAL WATERBIRD POPULATIONS (5629)	Tontra, C M; Marra, P P; Holberton, R L; PREPARATION FOR BREEDING ON THE NON-BREEDING GROUNDS IN NEO- TROPICAL MIGRANTS: DOES ELEVATED TESTOSTERONE ENHANCE MIGRATORY PREPARATION? (5522)	Ksepka, D T; Clarke, J A; NEW INSIGHT INTO THE EOCENE NORTH AMERICAN AVIFAUNA (5534)	McLean, A J; Joseph, L; Schmidt, D; Hughes, J; PHYLOGEOGRAPHY MEETS SYSTEMATICS IN A MULTIOLOCUS FRAMEWORK: THE CHESTNUT- SHOULDERED FAIRY- WRENS (<i>MALURUS</i> SPP) (5272)
11:45	Duren, K R; Williams, C K; Buler, J J; Jones, B; DEVELOPING A PREDICTIVE HABITAT MODEL FOR BOBWHITE MANAGEMENT (5206)			van Riper, III, C; Fontaine, J J; Skagen, S; THE INFLUENCE OF TREE PHENOLOGY ON NEOTROPICAL MIGRANT BIRDS IN SOUTHWESTERN NORTH AMERICA (5299)	Harris, R B; Carling, M D; Lovette, I J; A PHYLOGENOMIC STUDY OF CHICKADEES REVEALS THEIR EVOLUTIONARY HISTORY (5433)	
12:00	Gregory, N C; Sensenig, R L; Wilcove, D S; CONTROLLED FIRE AND LIVESTOCK GRAZING SHAPE BIRD COMMUNITIES IN EAST AFRICAN SAVANNAS (5424)	Hoek, P E; Keller, L F; TO SAVE A MOCKINGBIRD: GENETIC ANALYSES OF DARWIN'S MOCKINGBIRDS (5308)	Parsons, K C; SEARCHING FOR SAFE HAVEN: WADING BIRDS AND CONTAMINANTS ALONG A RURAL- URBAN GRADIENT (5209)	Chandler, R B; King, D I; LANDSCAPE- AND HOME-RANGE-LEVEL HABITAT SELECTION BY GOLDEN-WINGED WARBLERS IN COSTA RICA (5387)	Brennan, P L; Clark, C; Prum, R O; SEXUAL CONFLICT AND THE FUNCTIONAL MORPHOLOGY OF THE WATERFOWL PENIS (5215)	Dolman, G; Joseph, L; AUSTRALIAN ARID AND SEMI-ARID BIRDS DANCE TO THEIR OWN BEAT: PATCHY HABITAT DRIVES DIVERSE PATTERNS OF DIVERSIFICATION (5307)

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12:15	G20 Conservation & Management Lituma, C M ; Morrison, M L; EFFECTS OF GRASSLAND RESTORATION ON DICKCISSEL NESTING SUCCESS IN TEXAS (5264)	S09 Integrative Studies, Starlings & Mockingbirds Hoeck et al. (cont.)	S07 Colonial Waterbirds of Northeast Parsons (cont.)	G19 Migration Ecology I Wolfe, J D ; Johnson, M D; FRUIT AND BUGS: HABITAT USE OF FALL MIGRANTS IN NORTHEASTERN COSTA RICA (5382)	G18 Evolution Bostwick, K S ; Elias, D; Mason, A; Montealegre-Z, F; RESONATING FEATHERS INDUCE WING TO SING IN <i>MACHAEROPTERUS DELICIOSUS</i> (PIPRIDAE) (5429)	S10 Australian Phylogeography Dolman et al. (Joseph) (cont.)
12:30	Lunch break <i>Golondrinas</i> working group, HH Golkin					
14:00	G24 Breeding Ecology II; Moderator: A McMorris Luloff, T W ; Hahn, T P; MacDougall-Shackleton, S A; GEOGRAPHIC VARIATION IN TIMING OF REPRODUCTION IN AMERICAN GOLDFINCHES (5583)	S04 Tropical Altitudinal Migration Moderator: K C Fraser Fraser, K C ; MIGRATION IN THE 3RD DIMENSION: WHAT WE KNOW ABOUT TROPICAL ALTITUDINAL MIGRATION AND WHY WE NEED TO KNOW MORE (5227)	G21 Phylogenetics Moderator: A Jones Block, N L ; Raheerilalao, M J; Hackett, S J; Bates, J M; Goodman, S M; UNIQUE CRYPTIC DIVERSITY IN A MALAGASY PASSERINE (5379)	G23 Migration Ecology II Moderator: J Buler Cariveau, A B ; Pavlacky, D; Bishop, A; LaGrange, T; CONSERVATION RESERVE PROGRAM INFLUENCES THE SUITABILITY OF PLAYA WETLANDS AS STOPOVER HABITAT FOR MIGRATORY BIRDS (5472)	G22 Song II Moderator: T Freeberg Altizer, C E ; Gammon, D E; THE EFFECTS OF SEASONALITY ON THE MIMETIC REPERTOIRE OF THE NORTHERN MOCKINGBIRD (5235)	S11 State of the Birds Moderator: Sauer, J R Butcher, G S ; Ford, R P; Rosenberg, K V; BIRDS AS INDICATORS OF THE STATUS OF NORTH AMERICAN HABITATS: SCIENTIFIC AND PRACTICAL CONSIDERATIONS (5499)
14:15	Ferretti, V ; Massoni, V; Bulit, F; Winkler, D W; Lovette, J J; HIGH RATES OF EXTRA-PAIR PATERNITY IN THE SOUTH TEMPERATE WHITE-RUMPED SWALLOW (<i>TACHYCINETA LEUCORRHOA</i>) (5492)	Dor, R ; Vortman, Y; Lotem, A; Safran, R J; Lovette, J J; PHYLOGENY OF THE BARN SWALLOW COMPLEX: SPECIATION AND INTROGRESSION (5344)	Studds, C E ; Kyser, T K; Marra, P P; NONBREEDING SEASON SELECTION ON TRAITS INFLUENCING ANNUAL SURVIVAL IN A LONG-DISTANCE MIGRATORY BIRD (5489)	Bolus, R T ; Byers, B E; GEOGRAPHIC VARIATION AND EVOLUTION OF YELLOWTHROAT (<i>GEOTHLYPIS</i>) SONG (5380)		

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14:30	G24 Breeding Ecology II Furlonger, A; Hyunh, L; Luloff, T W; Hahn, T P; MacDougall-Shackleton, S A; EFFECT OF FOOD ON REPRODUCTIVE PHYSIOLOGY AND BEHAVIOR OF AMERICAN GOLDFINCHES (5490)	S04 Altitudinal Migration Boyle, W A; Norris, D R; Guglielmo, C G; PHYSIOLOGICAL COSTS AND LIFE-HISTORY TRADEOFFS OF ALTITUDINAL MIGRATION IN A PARTIALLY MIGRATORY SPECIES (5339)	G21 Phylogenetics Gibson, R; Haddrath, O; Baker, A J; A SPECIES TREE FOR THE SCLOPACI: IMPLICATIONS FOR CHARACTER EVOLUTION (5462)	G23 Migration Ecology II Farmer, C J; Safi, K; Barber, D R; Newton, I; Martell, M; Bidstein, K L; HOW WELL DOES MIGRATION MONITORING SAMPLE NORTH AMERICAN OSPREY POPULATIONS? (5329)	G22 Song & Vocalizations II Clark, J A; Leung, J; INDIVIDUAL DISTINCTIVENESS IN THE CALLS OF A SUBOSCINE: THE EASTERN WOOD- PEWEE (<i>CONTOPUS</i> <i>VIRENS</i>) (5494)	S11 State of the Birds Sauer, J R; Niven, D K; Koneff, M D; BIRD- MONITORING PROGRAMS AND STATE OF THE BIRDS SUMMARIES (5351)
14:45	Haas, C A; Two Bears, A; Guinn, J E; Haas, K H; BREEDING SEASON MOVEMENT OF LOGGERHEAD SHRIKES IN NORTH DAKOTA (5531)		Haddrath, O; Baker, A J; THE TINAMOU TWO- STEP: THE TINAMOU IS A RATITE, THE TINAMOU IS NOT A RATITE (5322)	Grove, L E; DeLeon, E; Vitz, A; Gauthreaux, S; Farnsworth, A; Lanzone, M J; MONITORING NOCTURNAL SONGBIRD MIGRATION USING MULTIPLE COMPLEMENTARY TECHNIQUES (5601)	Kennedy, E D; White, D W; SPYCAMS REVEAL EVIDENCE OF SPECIFIC ADULT FEEDING CALLS TO NEWLY HATCHED NESTLING HOUSE WRENS (5521)	
15:00	Johnson, L S; Brubaker, J L; Johnson, B G; Masters, B S; EVIDENCE FOR A MATERNAL EFFECT BENEFITING EXTRA-PAIR OFFSPRING IN THE HOUSE WREN (5187)	Hardesty Norris, J; USING ISOTOPIES TO TRACK INTRATROPICAL MIGRATIONS IN ANDEAN HUMMINGBIRDS (5511)	Samarasin, P H; Baker, A J; COMPARISON OF TREE- BUILDING METHODS FOR RECENTLY DIVERGED COMMON CHAFFINCH POPULATIONS (<i>FRINGILLA</i> <i>COELEB SPP</i>) USING MULTILOCUS SEQUENCE DATA (5343)	Lanzone, M J; Farnsworth, A; Dawson, D; DeLeon, E; Amones, A; Ralph, C J; Mack, A L; ACOUSTIC MONITORING OF NOCTURNAL MIGRANTS: A COST EFFECTIVE WAY TO MONITOR POPULATIONS AT A LARGE SCALE (5590)	Cramer, E R; Vehrencamp, S L; TESTOSTERONE DOES NOT RELATE TO TERRITORIAL BEHAVIORS OR SONG IN HOUSE WRENS (5484)	Rosenberg, K V; Butcher, G S; Mehiman, D; STATE OF THE BIRDS I: ARIDLANDS, GRASSLANDS, FORESTS, AND URBAN BIRDS (5448)

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15:15	G24 Breeding Ecology II Kramer, P M ; Tarof, S A; Stutchbury, B J; Tautin, J; BENEFITS OF EXTRA-PAIR MATING IN PURPLE MARTINS (5459)	S04 Altitudinal Migration Hardesty Norris (cont.)	G21 Phylogenetics Jacobsen, F ; Omland, K E; INFERRING SPECIES TREES IN THE FACE OF INCOMPLETE LINEAGE SORTING: A MULTI-LOCUS ZDNA PHYLOGENY OF NEW WORLD ORIOLES (<i>CTERUS</i>) (5338)	G23 Migration Ecology II Miller, T A ; Lanzzone, M J; Maisonneuve, C; Mack, A L; Brooks, R P; Katzner, T E; MULTI-SCALE APPLICATION OF A COMMON HYDROLOGICAL MEASURE TO MIGRATORY FLIGHT PATHS OBTAINED FROM SATELLITE AND HIGH FREQUENCY GSM TELEMETRY (5566)	G22 Song & Vocalizations II Kelley, J P ; Tarwater, C E; Brawn, J D; A PERFORMANCE FOR THE AGES: IMPLICATIONS OF AGE-RELATED CHANGES IN SONG STRUCTURE IN A SUBOSCINE BIRD, THE WESTERN SLATY ANTSHRIKE (<i>THAMNOPHILUS ATRINUCHA</i>) (5553)	S11 State of the Birds Rosenberg et al. (cont.)
15:30	Coffee break, Houston Hall Reading Room					
16:00	Borgmann, K L ; Conway , C J; Morrison, M L; WHY DOES NEST SURVIVAL VARY SEASONALLY? (5465)	Merkord, C L ; Jankowski, J E; IDENTIFYING ALTITUDINAL MIGRANTS FROM BIRD SURVEYS: THE COMPARATIVE UTILITY OF PRESENCE-ABSENCE DATA, RAW COUNT DATA, AND DISTANCE-BASED ABUNDANCE ESTIMATES (5532)	Lee, J Y ; Joseph, L; Edwards, S V; A SPECIES TREE FOR AUSTRALO-PAPUAN FAIRY WRENS (MALURIDAE) (5561)	Ralph, C J ; Szabo, J; Fink, L; Salas, L; A NEW METRIC TO ELUCIDATE SPATIO-TEMPORAL PATTERNS OF BODY CONDITION IN PASSERINES (5267)	Lapierre, J M ; Potvin, D A; Mennill, D J; MacDougall-Shackleton, E A; SONG OUTPUT PREDICTS PATERNITY AND FLEDGING SUCCESS IN SONG SPARROWS (5337)	Coppen, J L; Barnhill, L; Blohm, R ; Wheeler, J A; STATE OF THE BIRDS: WETLANDS, WATERFOWL, MARSH BIRDS AND GAME BIRDS (5247)
16:15	Rivers, J W ; Martin, L B; Liebl, A L; Betts, M G; ALARM CALLS OF WHITE-CROWNED SPARROW PARENTS FAIL TO STIMULATE CORTICOSTERONE PRODUCTION IN THEIR OFFSPRING (5164)		Packer, J B ; PHYLOGENETIC RELATIONSHIPS OF THE COCKATOOS, INFERRED FROM MITOCHONDRIAL AND NUCLEAR SEQUENCES (5605)	Wiley, A ; Ostrom, P; James, H; Stricker, C; Gandhi, H; UTILIZING FEATHERS IN ISOTOPE-BASED STUDIES OF AVIAN ECOLOGY: SAMPLING STRATEGIES AND CONSIDERATIONS (5550)	Odom, K J ; Mennill, D J; GEOGRAPHIC VARIATION IN THE CALLS AND DUETS OF THE BARRED OWL (<i>STRIX VARIA</i>) (5537)	

Scientific Program, Saturday, 15 August

	Cohen Terrace	Cohen G17	HH Class of 49	HH Bodek Lounge	IA Amado Recital	College Hall 200
16:30	G24 Breeding Ecology II Whittaker, D J ; Soini, H A; Atwell, J W; Novotny, M V; Ketterson, E D; EVIDENCE FOR CHEMOSIGNALING IN SONGBIRDS (5203)	S04 Altitudinal Migration Kreft, S ; A HISTORY OF RESEARCH ON ALTITUDINAL MIGRATION OF BIRDS IN THE ANDES: ACTIVITIES, INSIGHTS AND KNOWLEDGE GAPS (5540)	G21 Phylogenetics Signurdsson, S ; Cracraft, J L; RESOLVING THE PHYLOGENETIC RELATIONSHIPS AND TEMPORAL HISTORY OF THE CAPRIMULGIFORMES (5552)	G23 Migration Ecology II Tavares, E S ; Pereira, S L; Baker, A J; MOLECULAR CHARACTERIZATION OF MHC II OF RED KNOTS (5282)	G22 Song & Vocalizations II Krakauer, A H ; Tyrrell, M; Lehmann, K; Losin, N; Goller, F; Patricelli, G L; VOCAL AND ANATOMICAL EVIDENCE FOR A TWO-VOICED SYSTEM IN THE GREATER SAGE-GROUSE (<i>CENTROCERCUS UROPHASIANUS</i>) (5515)	S11 State of the Birds Andres, B A ; Parr, M J; Wallace, G E; Wheeler, J A; STATE OF THE BIRDS III: ARCTIC, COASTS, OCEANS, HAWAIIAN BIRDS, ENDANGERED SPECIES (5350)
16:45	Butler, L K ; Rohwer, S; WHY DO PASSERINE FLEDGLINGS FLAUNT FLUFFY FEATHERS? (5597)	McKay, B D ; Mays, H L ; Peng, Y W; Yao, C T; Yuan, H W; PHYLOGEOGRAPHY OF A TAIWANESE ENDEMIC, STEERE'S LIOCICHLA (<i>LIOCICHLA STEERI</i>) (5503)	Buler, J J ; Diehl, R; QUANTIFYING BIRD DENSITY DURING MIGRATORY STOPOVER USING WEATHER SURVEILLANCE RADAR (5317)	Taft, B N ; A PHYLOGENETIC ANALYSIS OF HETEROSEXUAL VOCAL MIMICRY IN OSCINES (5422)	Nolen, M T ; Lucas, J R; NOTE COMPOSITION OF CAROLINA CHICKADEE 'CHICK-A-DEE' CALLS AND ACOUSTIC STRUCTURE OF D NOTES VARY WITH MOBBING INTENSITY AND MOB COMPOSITION (5585)	Schmidt, P R ; Bortner, B; Ford, R P; STATE OF THE BIRDS DISCUSSION: QUESTIONS, COMMENTS, AND FUTURE DIRECTIONS (5408)
17:00	Yoon, J M ; Sillett, T S; Ghalambor, C K; TERRITORIAL AGGRESSION AND PARENTAL CARE OF MALE ORANGE-CROWNED WARBLERS BREEDING IN ALASKA AND CALIFORNIA (5569)	Green, D J ; Whitehome, I B; EVALUATING THE COSTS AND BENEFITS OF MIGRATION IN AMERICAN DIPPERS: A NORTHERN PERSPECTIVE ON ALTITUDINAL MIGRATION (5355)	Smith, N D ; AFFINITIES OF THE EARLY EOCENE FRIGATEBIRD <i>LIMNORFREGATA</i> BASED ON NEW SPECIMENS AND A MORPHOLOGICAL PHYLOGENETIC ANALYSIS OF WATERBIRD RELATIONSHIPS (5361)	Vacant	Nolen, M T ; Lucas, J R; NOTE COMPOSITION OF CAROLINA CHICKADEE 'CHICK-A-DEE' CALLS AND ACOUSTIC STRUCTURE OF D NOTES VARY WITH MOBBING INTENSITY AND MOB COMPOSITION (5585)	Schmidt, P R ; Bortner, B; Ford, R P; STATE OF THE BIRDS DISCUSSION: QUESTIONS, COMMENTS, AND FUTURE DIRECTIONS (5408)
17:15	Wasilewski, R; McMorris, F A ; Brauning, D W; NEST TYPE SELECTION IN PEREGRINE FALCONS (5555)	Toews, D P ; Brelsford, A T; Irwin, D E; DISCOVERY OF A HYBRID ZONE BETWEEN TOWNSEND'S (<i>DENDROICA TOWNSENDI</i>) AND BLACK-THROATED GREEN (<i>D. VIRENS</i>) WARBLERS (5199)	Toews, D P ; Brelsford, A T; Irwin, D E; DISCOVERY OF A HYBRID ZONE BETWEEN TOWNSEND'S (<i>DENDROICA TOWNSENDI</i>) AND BLACK-THROATED GREEN (<i>D. VIRENS</i>) WARBLERS (5199)	Vacant	Freeberg, T M ; Mahurin, E J; CHICK-A-DEE CALL VARIATION IN CAROLINA CHICKADEES AND RECRUITING FLOCKMATES TO FOOD (5253)	Schmidt, P R ; Bortner, B; Ford, R P; STATE OF THE BIRDS DISCUSSION: QUESTIONS, COMMENTS, AND FUTURE DIRECTIONS (5408)

Poster Presentations

All posters will be presented in the Hall of Flags, Houston Hall. Stands will be installed on Thu, 13 August, immediately following the Student-Professional luncheon. Posters will be on display from Thu afternoon through early morning on Sat, 15 August. Poster presentations will take place during the evening session, 18:30 – 22:00, on Fri, 14 August, with presentations split between two halves of the evening (to allow presenters to interact with the authors of other posters).

Poster presenters

Please install your poster on Thu afternoon, 13 August, as soon as poster stands are in place and before buses depart at 17:30 - 18:00 for Zoo Night. Posters also can be installed on Fri morning, 14 August. Push pins for mounting will be provided. Each poster is assigned a 117 cm x 117 cm space (46" x 46"), with two posters (one odd, one even) sharing each side of each board. Presenters should remove their posters at the end of the poster session at 20:00 on Fri, 14 August, or before 08:00 on Sat, 15 August. The poster stands will be removed at this time; any posters still remaining in place may be discarded.

Regular Poster Session

Presenting authors are indicated in bold. Posters eligible for student presentation awards are indicated by an asterisk before the presenting author's name. Abstract numbers are shown in parentheses.

The Regular Poster Session is sponsored by Franklin & Marshall College.

Odd-numbered posters, presented 18:30 - 20:15

P1 **Harvey, M G**; Winger, B M; Seeholzer, G F; Caceres A., D; AVIFAUNA OF THE GRAN PAJONAL AND SOUTHERN CERROS DEL SIRA, PERU (5198)

P3 ***DeGroot, K A**; Barboza, P S; Lindberg, M S; Esler, D; Schmutz, J A; POOR BODY CONDITION MAY INFLUENCE BREEDING PROPENSITY OF LESSER SCAUP NESTING IN BOREAL ALASKA (5487)

P5 **Goodnow, M L**; Hallworth, M T; Benham, P M; Wampler, J; Reitsma, L R; BREEDING BIOLOGY OF THE CANADA WARBLER (*WILSONIA CANADENSIS*) (5471)

P7 **Johnson, L S**; Masters, B S; Johnson, B G; Thompson, C F; Sakaluk, S K; Soukup, S S; Forsythe, S J; Neuhauser, M; EXTRA-PAIR YOUNG IN HOUSE WREN BROODS ARE MORE LIKELY TO BE MALE THAN FEMALE (5188)

P9 **Reitsma, L R**; Goodnow, M L; Kimiatek, A; MALE AND FEMALE PROVISIONING BY PARENT CANADA WARBLERS (*WILSONIA CANADENSIS*) IN NEW HAMPSHIRE (5477)

P11 Swarth, C W; **Gates, B**; Bystrak, D; Quinlan, M; Teliak, S; USING MIST NETS TO ASSESS SONGBIRD REPRODUCTION ON MARYLAND'S COASTAL PLAIN (5592)

P13 Rasmussen, J L; **Underwood, T J**; Sealy, S G; METHOD OF EJECTION OF REAL BROWN-HEADED COWBIRD EGGS AND A LACK OF COSTS IN AMERICAN ROBINS AND GRAY CATBIRDS (5277)

P15 **Lee, E L**; Kinoshita, S; Sugita, S; IRIDESCENT COLORS IN JUNGLE CROW'S FEATHER (5182)

P17 Canceled

P19 **Bomberger Brown, M**; Brown, C R; BLOOD SAMPLING REDUCES ANNUAL SURVIVAL IN CLIFF SWALLOWS (5177)

P21 Canceled

P23 **Radley, P M**; THE FIRST SPECIES CONSERVATION INTRODUCTION IN THE NORTHERN MARIANA ISLANDS: TRANSLOCATION OF BRIDLED WHITE-EYES TO SARIGAN FROM SAIPAN (5166)

P25 **Dunning, J B**; Malloy, M; PATTERNS OF DOMINANCE IN BREEDING BIRD COMMUNITIES OF OAK-HICKORY FORESTS OF SOUTHERN INDIANA (5481)

P27 **DeCoste, J C**; Morin, D F; Dhondt, A A; HOUSE FINCH POPULATION DYNAMICS MAY BE AFFECTED BY OTHER BIRD SPECIES SERVING AS CARRIER SPECIES FOR A BACTERIAL PATHOGEN (5340)

P29 **Keller, J I**; Shriver, W G; Olsen, B; Waldenström, J; Griekspoor, P; PREVALENCE OF *CAMPYLOBACTER* IN WILD BIRD POPULATIONS (5401)

P31 **Philips, J R**; MITES OF OWLS (5169)

P33 **Burger, J**; Gochfeld, M; Jeitner, C; RADIONUCLIDES AND METALS IN MUSCLE OF COMMON EIDERS, AND METALS IN THEIR EGGS AND FEATHERS, FROM THE ALEUTIANS (5186)

P35 **McFarland, K P**; Rimmer, C C; Miller, E K; Taylor, R J; Faccio, S D; MERCURY BIOACCUMULATION IN THE TERRESTRIAL FOOD WEB OF A MONTANE FOREST (5483)

- P37 **Cortes-Rodriguez, M N**; Hernandez-Baños, B E; Navarro-Sigüenza, A G; Omland, K E; COALESCENT AND PHYLOGENETIC ANALYSES OF THE STREAK-BACKED ORIOLES (*ICTERUS PUSTULATUS*): EVOLUTION OF THE TRES MARIAS ISLANDS POPULATION (5287)
- P39 **Hirsch-Jacobson, R**; Faaborg, J; MISSOURI FOREST FRAGMENTS MIGHT NOT BE POPULATION SINKS FOR SOME MIGRANT FOREST BIRDS (5423)
- P41 Oppel, S; **Mack, A L**; THE FRUGIVOROUS BIRD ASSEMBLAGE AT FRUITING *ELMERRILLIA TSIAMPACA* (MAGNOLIACEAE) TREES IN PAPUA NEW GUINEA (5588)
- P43 **Summers, E A**; Gray, M J; BIRD ASSEMBLAGES AT HARDWOOD BOTTOMLAND RESTORATION SITES IN WESTERN TENNESSEE (5512)
- P45 ***Hsu, B**; Hart, P J; Atkinson, C T; Massey, J G; TRANSFER AND EFFECTS OF MATERNAL ANTI-PLASMODIUM ANTIBODIES IN HAWAII AMAKIHI AND COMMON CANARY (5388)
- P47 **Schrey, A**; Coon, C; McCoy, E; Mushinsky, H; Martin, L B; EPIGENETIC VARIATION IN TWO POPULATIONS OF HOUSE SPARROWS (5315)
- P49 **Schulenberg, T S**; Gerbracht, J; NEOTROPICAL BIRDS ONLINE: A NEW, COMPREHENSIVE RESOURCE FOR INFORMATION ON THE BIRDS OF CENTRAL AND SOUTH AMERICA AND OF THE CARIBBEAN (5509)
- P51 **Spizzoucco, F A**; Haskins, J W; Villanueva, C; Walker, B G; SEX RATIO IN MAGELLANIC PENGUINS (*SPHENISCUS MAGELLANICUS*): IS ADULT MALE SEX-BIAS PRESENT AT HATCH AND HOW DOES DISTURBANCE AFFECT HATCHING RATIOS? (5265)
- P53 Canceled
- P55 **Davie, C L**; Clark, A B; THE SELF-REHABILITATION OF A CAPTIVE AMERICAN CROW AT THE BINGHAMTON ZOO (5425)
- P57 Tspoura, N; Korth, K; Morgan, M; **Mylecraine, K**; Petzinger, S; Rivera, F; A GRASSLAND BIRD MONITORING APPROACH FOR EVALUATING THE SUCCESS OF THE LANDOWNER INCENTIVE PROGRAM IN NEW YORK AND NEW JERSEY (5390)
- P59 **Hatch, M I**; Smith, R J; ARE CAPTURE RATES AND DETECTIONS OF SONGBIRD MIGRANTS CORRELATED WITH NON-NATIVE SHRUBS? (5369)
- P61 **Onstine, A**; PHYLOGENETIC PATTERNS IN THE EXPRESSION OF SEASONAL MIGRATION (5507)
- P63 ***Morris-Pocock, J A**; Steeves, T E; Estela, F A; Anderson, D J; Friesen, V L; COMPARATIVE PHYLOGEOGRAPHY OF BROWN (*SULA LEUCOGASTER*) AND RED-FOOTED BOOBIES (*S. SULA*) (5491)
- P65 **Veverica, P L**; Porzecanski, A L; Cracraft, J L; INTERGENERIC RELATIONSHIPS WITHIN TINAMOUS USING A MULTI-LOCUS APPROACH (5476)
- P67 ***Gam, A E**; Mendonça, M T; Navara, K J; EFFECTS OF CORTICOSTERONE ADMINISTRATION ON OFFSPRING PRIMARY SEX RATIO IN ZEBRA FINCH (*TAENIOPYGIA GUTTATA*) (5456)
- P69 **Holberton, R L**; Porcelli, K N; Tonra, C M; A NOVEL "PITA" DESIGN FOR HORMONE MANIPULATIONS IN SMALL BIRDS (5176)
- P71 **Gil, K C**; Chavez-Ramirez, F; AN INDIVIDUAL WHOOPING CRANE'S FAMILY HISTORY: PATTERN OF DISTRIBUTION AND STOPOVER USE (5237)
- P73 **Stenzler, L M**; Makarewicz, C A; Coulon, A; Ardia, D R; Lovette, I J; Winkler, D W; SUBTLE EDGE-OF-RANGE GENETIC STRUCTURING IN TRANSCONTINENTALLY DISTRIBUTED NORTH AMERICAN TREE SWALLOWS (*TACHYCINETA BICOLOR*) (5323)
- P75 **Shutler, D**; SHOULD WE EXPECT TRADEOFFS IN CONDITION-DEPENDENT SEXUALLY-SELECTED TRAITS? (5342)
- P77 **Blair, M E**; Hagelin, J C; FECAL ODOR IS A PUTATIVE ALARM SIGNAL IN THE DOMESTIC CHICKEN (*GALLUS GALLUS DOMESTICUS*) (5584)
- P79 **Schultz, E M**; Atwell, J W; Rice, R J; Ketterson, E D; COLONIZATION OF A NOVEL ENVIRONMENT MAY INFLUENCE INTRASEXUAL DOMINANCE BEHAVIOR IN THE DARK-EYED JUNCO (*JUNCO HYEMALIS THURBERI*) (5304)
- P81 **Freed-Brown, S G**; White, D J; FEMALE COWBIRDS CAN USE MATE-CHOICE COPYING TO MODIFY THEIR SONG PREFERENCES (5226)
- P83 **Reichard, D G**; Ketterson, E D; DECODING AN ENIGMATIC SIGNAL: SHORT-RANGE SONG IN DARK-EYED JUNCOS (*JUNCO HYEMALIS*) (5417)
- P85 **Packer, J B**; AN APPARENT HYBRID BLACK-THROATED GRAY / GRACE'S WARBLER IN THE DAVIS MOUNTAINS OF WEST TEXAS (5606)
- P87 **Benham, P M**; Hallworth, M T; Reitsma, L R; HABITAT AND MIXED-SPECIES FLOCK USE BY BOREAL MIGRANTS IN EASTERN ECUADOR WITH EMPHASIS ON CANADA WARBLER (*WILSONIA CANADENSIS*) (5367)
- P89 **Danner, R M**; Walters, J R; Greenberg, R; WINTER FOOD LIMITS MIGRATORY SPARROW CONDITION AND WITHIN-SEASON SURVIVAL (5416)
- P91 **Berg, H L**; MORPHOLOGICAL VARIATION IN THE COOPER'S HAWK: USING THREE-DIMENSIONAL MORPHOMETRICS TO INVESTIGATE SHAPE CHANGES RELATED TO SEXUAL DIMORPHISM AND ENVIRONMENT (5501)

P93 **Dowling, J L**; Luther, D A; Marra, P P; ACOUSTIC VARIATION IN BIRD SONG ACROSS AN ANTHROPOGENIC NOISE GRADIENT (5634)

P95 Johnson, E I; Stouffer, P C; HOW DO CENTRAL AND WESTERN AMAZONIAN RAINFOREST COMMUNITIES DIFFER? A COMPARISON OF WHOLE COMMUNITIES (5618)

P97 Strausberger, B M; Rothstein, S I; PARASITIC COWBIRDS MAY DEFEAT HOST DEFENSE BY CAUSING REJECTERS TO MIS-IMPRINT ON COWBIRD EGGS (5633)

Even-numbered posters, presented 20:15 – 22:00

P2 Anhalt, C M; **Khan, M Z**; FOOD SUPPLEMENTS, NESTLING GROWTH AND DOUBLE BROODING IN THE EASTERN BLUEBIRD (5331)

P4 **Derrickson, K C**; Marlin, L M; Tucker, A M; NEST SUCCESS IN WOOD THRUSHES: CONCEALMENT AND PARENTAL NEST ATTENDANCE BEHAVIOR (5571)

P6 **Jackson, B S**; Jackson, J A; Jackson, S B; LOGGERHEAD SHRIKES: SUCCESS IN A NOVEL ENVIRONMENT (5415)

P8 **Ramirez, L**; Hagelin, J C; Roberts, B E; EXPLORING MECHANISMS OF ODOR DETECTION IN CRESTED AUKLETS (*AETHIA CRISTATELLA*) (5593)

P10 ***Roldán-Clarà, B**; Chapa-Vargas, L; LaPergola, J B; NEST SUCCESS OF THE TROPICAL BLACK CATBIRD IN THE NORTH COAST OF SIAN KA'AN BIOSPHERE RESERVE, MÉXICO (5262)

P12 **Nicodemus, A K**; Curry, R L; IRRUPTION BLACK-CAPPED CHICKADEES HAVE MINIMAL IMPACT ON HYBRID FLOCK STRUCTURE IN SOUTHEASTERN PENNSYLVANIA (9999)

P14 **Kaiser, S A**; Hudgens, B R; Kershner, E L; Garcelon, D K; DECOUPLED EFFECTS OF THE EL NINO SOUTHERN OSCILLATION AND RAINFALL ON DEMOGRAPHIC RATES AND POPULATION GROWTH OF AN ISLAND ENDEMIC (5232)

P16 **Seeholzer, G F**; Moser, C C; MAKING BRIGHTS BRIGHTER: FLUORESCENCE AND SEXUAL SIGNALING IN THE BIRD-OF-PARADISE GENUS *CICINNURUS* (PARADISAEIDAE) (5193)

P18 **Blank, P J**; Dively, G P; Gill, D E; Gimpel, M E; Small, D; BIRD COMMUNITY RESPONSE TO VEGETATION COMPOSITION AND STRUCTURE IN FILTER STRIPS IN MARYLAND (5217)

P20 **Brown, L M**; Velasquez-Tibata, J; Buermann, W; Graham, C H; THE IMPORTANCE OF SPECIES HABITAT, BIOREGION, AND VARIABLE SOURCE IN MODELING SPECIES DISTRIBUTIONS (5348)

P22 **Herkert, J**; VEGETATION HEIGHT PREFERENCE INFLUENCES POST-CRP POPULATION TRENDS FOR GRASSLAND BIRDS IN ILLINOIS (5275)

P24 **Kramer, K J**; Ernst, C; Kukola, R; Seo, D; Wulc, D; Hagelin, J C; OLFACTORY ENRICHMENT OF CAPTIVE KEA (*NESTOR NOTABILIS*) AT THE PHILADELPHIA ZOO (5600)

P26 **Engstrom, R T**; Mikusinski, G; Edenius, L; Thapa, T; Gurung, A; Bidari, B; INFLUENCE OF FOREST STRUCTURE ON AVIAN COMMUNITIES IN CHITWAN NATIONAL PARK, NEPAL (5500)

P28 **Gaudioso, J M**; Randall, J A; Shizuma, L M; Sin, H; LaPointe, D A; KNEMIDOKOPTIC MANGE IN HAWAI'I `AMAKIHI (*HEMIGNATHUS VIRENS*): ONE YEAR LATER (5242)

P30 **Morin, D F**; States, S L; O'Connell, P H; Grodio, J L; DeCoste, J C; Hochachka, W M; Schat, K A; Dhondt, A A; Lovette, I J; DETECTING LOW-LEVEL INFECTIONS OF HOUSE FINCHES BY A BACTERIAL PATHOGEN, AND IMPLICATIONS FOR HOST – PATHOGEN DYNAMICS (5446)

P32 **Winker, K**; Gibson, D D; THE ASIA-TO-AMERICA INFLUX OF AVIAN INFLUENZA WILD BIRD HOSTS IS LARGE (5292)

P34 **Cristol, D A**; Hallinger, K K; Brasso, R L; Pflugrath, A E; Hawley, D M; Wada, H; DOES LIVING ON A MERCURY-CONTAMINATED SITE AFFECT TREE SWALLOW FITNESS? (5420)

P36 **DesRochers, D W**; McWilliams, S R; Reed, J M; EVALUATING THE POTENTIAL FOR ENERGY AND PROTEIN TO LIMIT ABUNDANCE OF THE ENDANGERED HAWAIIAN MOORHEN (5404)

P38 ***Deane, P E**; Bolton, M; Gomez-Diaz, E; Gonzalez-Solis, J; Friesen, V L; SYMPATRIC SPECIATION IN ACTION: EVOLUTION OF SEASONAL POPULATIONS IN THE BAND-RUMPED STORM PETREL (5526)

P40 **Lin, D**; Ding, T; VEGETATION STRUCTURE AND FLORISTIC COMPOSITION ARE KEYS TO ATTRACT BIRDS IN MOSAIC LANDSCAPE IN TAIWAN (5393)

P42 **Rafferty, A R**; Willson, S K; ROOST SITE SELECTION IN RELATION TO FORAGING LOCATION IN OBLIGATE ARMY ANT FOLLOWING BIRDS IN AMAZONIAN PERU (5285)

P44 Canceled

P46 **King, M O**; Owen, J P; Schwabl, H G; INJECTING THE MITE INTO ECOLOGICAL IMMUNOLOGY: MEASURING THE ADAPTIVE IMMUNE RESPONSE AND FITNESS COSTS OF HOUSE SPARROWS CHALLENGED WITH HEMATOPHAGOUS MITES (5302)

P48 **Dwyer, J F**; Morrison, J L; Fraser, J D; USE OF BODY MOLT TO AGE CRESTED CARACARAS (5354)

P50 **Sims, C G**; Hunt, J L; SIBLING COMPETITION AND PARENTAL PROVISIONING IN NESTLING CAROLINA CHICKADEES (5202)

P52 Canceled

- P54 **Boves, T J**; Buehler, D A; Beachy, T; Wood, P B; George, G A; Sheehan, J; Rodewald, A D; Newell, F; Bakermans, M; Larkin, J L; Evans, A; EFFECTS OF FOREST MANAGEMENT ON DENSITY AND REPRODUCTIVE SUCCESS OF CERULEAN WARBLERS IN THE APPALACHIAN MOUNTAINS (5368)
- P56 **Pitts, D**; FEATURES OF ARTIFICIAL NEST SITES THAT INFLUENCE SELECTION BY CAROLINA CHICKADEES (5249)
- P58 **DeGroot, L D**; Rodewald, P G; EFFECTS OF FOREST PATCH SIZE ON REFUELING PERFORMANCE OF THREE SPECIES OF SONGBIRDS DURING SPRING MIGRATION (5573)
- P60 **Kim, K A**; Cha, J S; Kim, H M; Kim, H J; Park, H C; WINTERING PATTERN OF SWANS ALONG THE NAKDONG RIVER, KOREA (5319)
- P62 **Kimball, R T**; Braun, E L; NEXT-GENERATION SEQUENCING OF THE RAINBOW LORIKEET REVEALS HUNDREDS OF POTENTIAL MICROSATELLITE LOCI (5557)
- P64 **Kirchman, J J**; PHYLOGENY OF TYPICAL LONG-BILLED RAILS OF AUSTRALASIA AND OCEANIA (5440)
- P66 **Cerasale, D J**; Grodio, J L; Guglielmo, C G; Winkler, D W; INDIVIDUAL QUALITY AND REPRODUCTIVE COST IN TREE SWALLOWS (*TACHYICINETA BICOLOR*): INSIGHTS FROM PLASMA METABOLITES (5554)
- P68 **Holberton, R L**; Diamond, A W; Leppert, L L; A PRELIMINARY STUDY LINKING BREEDING PRODUCTIVITY, DIET, AND BLOOD PROFILES OF BODY CONDITION IN ATLANTIC PUFFINS AT MACHIAS SEAL ISLAND (5301)
- P70 **Pinson, S E**; Parr, C; Navara, K J; THE EFFECT OF ACUTE CORTICOSTERONE INJECTIONS ON OFFSPRING SEX IN THE WHITE LEGHORN (5428)
- P72 ***Mercadante, A N**; Hill, G E; EASTERN BLUEBIRD (*SIALIA SIALIS*) COLORATION AS A SIGNAL FOR MALE-MALE COMPETITION (5549)
- P74 ***Rathbun, N A**; Safran, R J; Gonser, R A; Hubbard, J K; Tuttle, E M; SIGNALING ALTERNATIVE STRATEGIES: CHOICE, COPULATION & COLOR IN THE WHITE-THROATED SPARROW (5539)
- P76 **Sullivan, J C**; Peer, B D; DO MALE ORNAMENTS HONESTLY ADVERTISE FERTILITY IN THE RING-NECKED PHEASANT? (5556)
- P78 **Ratnayake, C P**; Kotagama, S W; FECAL SAC REMOVAL AND HELPER CONTRIBUTION IN COOPERATIVELY BREEDING SRI LANKA MAGPIE (5407)
- P80 **Brierley, L E**; Lucas, J R; IMPACTS OF HABITAT FRAGMENTATION FROM FOREST MANAGEMENT ON SOCIAL BEHAVIOR, VOCAL COMMUNICATION, AND PHYSIOLOGICAL STRESS IN CAROLINA CHICKADEES (5327)
- P82 **Mager, J N**; Walcott, C; DO TERRITORIAL YODELS FACILITATE NEIGHBOR/NON-NEIGHBOR DISCRIMINATION BY COMMON LOONS? (5498)
- P84 **Sturge, R J**; Omland, K E; RECENT DIVERGENCE IN THE ORCHARD ORIOLE COMPLEX (*ICTERUS SPURIUS*): USING VOCALIZATIONS TO UNDERSTAND SPECIES BOUNDARIES (5341)
- P86 **Haskins, J W**; Spizzoucco, F A; Walker, B G; COMPARISON OF THE RESPONSE TO ACUTE STRESS AND MORPHOLOGY IN AN URBAN AND A RURAL POPULATION OF CLAY-COLORED THRUSH (*TURDUS GRAYI*) IN NICARAGUA (5266)
- P88 **Brooks, M E**; Stouffer, P C; STATUS OF WINTERING GRASSLAND BIRDS IN A POST-HURRICANE SALVAGE-LOGGED FOREST (5205)
- P90 **Smith, J A**; Reitsma, L R; Marra, P P; THE IMPORTANCE OF MULTIPLE HABITATS AND LANDSCAPE CONNECTIVITY FOR NON-BREEDING MIGRATORY BIRDS (5273)
- P92 **Bowen, B S**; ASSESSING AND IMPROVING THE CLIMATE FOR WOMEN SCIENTISTS AT THE DEPARTMENTAL AND INSTITUTIONAL LEVELS THROUGH THE IOWA STATE ADVANCE PROGRAM (5454)
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Special Poster Session

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- P101 **Wright, S G**; Curry, R L; HYBRID CHICKADEES SHOW HIGHER SURVIVORSHIP THAN CAROLINA CHICKADEES IN SOUTHEASTERN PENNSYLVANIA, USA (5239)
- P103 **Farrington, H**; Petren, K; EXTINCTION IN THE GALAPAGOS: USING ANCIENT DNA TO DETERMINE GENETIC STRUCTURE IN HISTORIC POPULATIONS OF DARWIN'S FINCHES (5349)

- P105 **Goetz, J E**; Gerwin, J A; NEW STUDIES OF TWO ENDANGERED CARIBBEAN ENDEMIC BIRDS, *PTERODROMA HASITATA* AND *TACHYCINETA EUCHRYSEA* (5179)
- P107 **Akresh, M E**; King, D I; PRAIRIE WARBLER ECOLOGY AND CONSERVATION IN PITCH PINE-SCRUB OAK BARRENS (5231)
- P109 **Houdek, B J**; Lombardo, M P; Thorpe, P A; SEX DIFFERENCES IN INNATE IMMUNITY IN TREE SWALLOWS (5257)
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- P113 **Monroe, A P**; O'Connell, T J; WINTER BIRD COMMUNITY RESPONSE TO GRASSLAND HETEROGENEITY (5445)
- P115 **Sargent, S**; Narango, D; Balogh, A; EFFECT OF INVASIVE PLANTS ON STOPOVER HABITAT QUALITY FOR SONGBIRDS (5545)
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- P119 **Sustaita, D**; FISHING FOR FUNCTION WITH A NEW HOOK: GEOGRAPHIC VARIATION IN EXTERNAL MORPHOMETRICS OF NORTH AMERICAN SHRIKES (5589)
- P121 Bogale, B A; Sugawara, S; Sakano, K; Tsuda, S; **Sugita, S**; COLOR DISCRIMINATION LEARNING AND MEMORY IN JUNGLE CROWS (*CORVUS MACRORHYNCHOS*) (5184)
- P123 **LaPergola, J B**; Roldán-Clarà, B; Martínez Gómez, J E; Curry, R L; BREEDING BIOLOGY AND SPACING PATTERNS OF THE BLACK CATBIRD (5562)
- P125 **Sosa-Lopez, J R**; Kiere, L M; VOCAL GEOGRAPHIC VARIATION IN THE CACTUS WREN (5577)
- P127 **Brown, Y M**; Campbell-Smith, J A; Clark, A B; ASSESSING RELATIVE NEOPHOBIA IN AMERICAN CROWS (*CORVUS BRACHYRHYNCHOS*) (5442)
- P129 **White, A L**; HOUSE WREN NEST USURPATION COMPLICATES STUDY OF CHICKADEE HYBRIDIZATION (5617)

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- P100 **Trout-Haney, J V**; Curry, R L; BREEDING PHENOLOGY AND GENETIC MATING SYSTEM OF BOREAL CHICKADEES (*POECILE HUDSONICUS*) IN SOUTHEASTERN NOVA SCOTIA (5389)
- P102 **Parker, L**; Montgomerie, R; FEMALE ORNAMENTATION AND REPRODUCTIVE INVESTMENT IN THE AMERICAN ROBIN (5603)
- P104 **McGann, A J**; Armiger, J W; DIFFERENTIAL TROPHIC LEVELS OF RUSTY BLACKBIRDS (5419)
- P106 **Ward, D M**; Brumfield, R T; Lim, H C; TIMING OF POPULATION DIVERGENCE IN THREE SOUTHEAST ASIAN BIRD SPECIES (5418)
- P108 **Irvin, E**; Duren, K R; Williams, C K; Buler, J J; A PREDICTIVE HABITAT MODEL FOR THE GRASSHOPPER SPARROW IN DELAWARE (5297)
- P110 **Conover, A M**; Williams, C K; D'Amico, V; IMPACT OF NON-NATIVE PLANTS ON BIRD COMMUNITIES IN SUBURBAN FOREST FRAGMENTS (5252)
- P112 **Cooper, C B**; Voss, M A; Greeney, H F; CAN CIRCADIAN RHYTHMS INFLUENCE THE PACE OF EMBRYO DEVELOPMENT? (5497)
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- P116 **Zelt, J A**; Sauer, J R; Duponteil, A; Germaine, S S; Droege, S W; NORTH AMERICAN BIRD PHENOLOGY PROGRAM: THE WORLD'S LARGEST AND LONGEST DATASET ON BIRD MIGRATION (5316)
- P118 **Walstrom, V W**; Spellman, G M; PHYLOGEOGRAPHY OF THE WHITE-BREASTED NUTHATCH (*SITTA CAROLINENSIS*) IN NORTH AMERICAN PINE AND OAK WOODLANDS: A MULTILOCUS APPROACH (5467)
- P120 **Rockwell, S M**; Studts, C E; Marra, P P; Bocetti, C I; Ewert, D; Wunderle, J M; THE EFFECT OF WINTER HABITAT TYPE AND DIET ON SPRING ARRIVAL DATES IN AN ENDANGERED SPECIES, THE KIRTLAND'S WARBLER (5579)
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- P124 **Zusi, K E**; FACTORS AFFECTING NEST-SITE FIDELITY IN A HYBRID POPULATION OF CHICKADEES (5628)
- P126 Burt, J; **Radley, P M**; A LOW-COST AERIAL RADIO TELEMETRY SYSTEM FOR AVIAN CONSERVATION: PRELIMINARY RESULTS (5613)

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AOU Research Awards, 2009

- Medhavi Ambardar, University of Wisconsin, Milwaukee: The effects of temperature and food abundance on breeding season length in single-brooded and double-brooded birds
- Gustavo A. Bravo, Louisiana State University: Phylogenetic analysis of phenotypic divergence in the antbirds (Thamnophilidae)
- Courtney Coon, University of South Florida: Are invasive House Sparrows (*Passer domesticus*) released from their natural pathogens?
- Allison Cox, University of Missouri: Natal dispersal of Red-bellied Woodpeckers (*Melanerpes carolinus*) in a fragmented landscape
- Emily R. A. Cramer, Cornell University: The effects of energy on song structure in House Wrens
- Raymond M. Danner, Virginia Tech: Cross-seasonal natural and sexual selection in a short distance migrant
- Heather Farrington, University of Cincinnati: Extinction in the Galapagos: using ancient DNA to determine genetic structure in historic populations of Darwin's finches
- Anna M. Forsman, Cornell University: Immune-based maternal effects in relation to microbial diversity across the breeding range of the Tree Swallow (*Tachycineta bicolor*)
- Samantha Franks, Simon Fraser University: Carry-over effects in a long-distance migratory shorebird: How do winter origin, foraging habitat, and age affect reproductive success?
- Kristen B. Gorman, Simon Fraser University: Divergent population response by *Pygoscelis* penguins to rapid climate warming: nutritional and physiological stress mechanisms
- David Hof, University of Massachusetts: Reliability and maintenance of aggressive signals in Parulid warblers
- Joanna Hubbard, University of Colorado: Reading between the morphs: The genetic basis of continuous phenotypic variation
- Sara A. Kaiser, Washington State University: Adaptive significance of plasticity in hormone-mediated avian reproductive behaviors
- Tess Killpack, University of Wisconsin, Madison: Ontogeny of immune function in altricial birds and its response to resource limitation
- Jay McEntee, University of California, Berkeley: Bird song and sky island speciation
- Loren Merrill, University of California, Santa Barbara: Do female Brown-headed Cowbirds use vocal performance to assess male quality?
- Hernan Vazquez Miranda, University of Minnesota: Timing the times: a multi-locus analysis of avian diversification in Baja California
- Greg Mitchell, University of Guelph: Factors that limit individual performance of migratory songbirds during autumn migration
- Dana L. Moseley, University of Massachusetts: Female preference development in the Swamp Sparrow
- Dawn O'Neal, Indiana University: Does immune function mediate differential migration in the Dark-eyed Junco?
- Eloisa Helena Reis Sari, University of Missouri, St. Louis: Colonization history and pathogens pressure in the Galapagos Flycatcher
- Allison Schultz, San Diego State University: The relative role of different color production mechanisms in the evolution of avian sexual dichromatism
- Jaclyn Smolinsky, University of Southern Mississippi: Factors influencing the migratory path of songbirds confronted with a large water body
- Calandra Stanley, York University: Tropical deforestation and the Wood Thrush (*Hylocichla mustelina*): Exploring the consequences of winter habitat quality and determining migratory connectivity
- David Swan, University of Western Ontario: Do cowbirds "farm" their hosts?
- Angela Tringali, University of Central Florida: Alternative explanations for the evolution of ornamental traits: tests of multiple hypotheses in juvenile Florida Scrub-Jays (*Aphelocoma coerulescens*)
- Michael E. Uffenbeck, University of Central Arkansas: Determining age and assessing fitness of passerines using telomere restriction fragment analysis
- Daniel Wetzel, University of Kentucky: A genetic basis of individual variation in parental care in wild birds?
- Matthew Wilkins, University of Colorado: Multimodal signaling and the evolution of reproductive isolation in two sympatric subspecies of the Barn Swallow, *Hirundo rustica*
- Stephanie G. Wright, Villanova University: Individual responses to song playbacks in the Black-capped (*Poecile atricapillus*) and Carolina (*P. carolinensis*) chickadee hybrid zone of southeastern Pennsylvania

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