

One Hundred and Twenty-Third  
Stated Meeting of the  
**American Ornithologists' Union**

23 - 27 August 2005

at

The University of California  
Santa Barbara, CA

## Program of papers

*version 22 Aug 2005*

### Part 1: Plenary talks, special lectures and symposia

#### Wednesday, 24 August

Plenary presented in Campbell Hall  
Symposium A held in Corwin West  
Symposium B held in MCC Theatre

**Plenary 1      08:30    The legacy of Joseph Grinnell in ornithology. CARLA CICERO, *Mus. Vert. Zool., Univ. California, Berkeley, CA.***

**Symposium A.** *Festschrift to Ned K. Johnson: perspectives on geographic variation, speciation, and evolution in birds.* (organized by Carla Cicero and J. Van Remsen, Jr.)

- 10:15    s01    A tribute to the career of Ned K. Johnson: leadership by meticulous example. J. V. REMSEN, Jr., *Mus. Nat. Sci., Louisiana State Univ., Baton Rouge, LA.*
- 11:00    s02    Molecular evidence for activator-inhibitor dynamics in development of barbs in plumulaceous and pennaceous feathers. R. O. PRUM, *Dept. Ecol. & Evol. Biol. and Peabody Mus. Nat. Hist., Yale Univ., New Haven, CT.*
- 11:15    s03    Advances in molecular approaches to studying geographic variation and speciation. ALLAN J. BAKER, *Dept. Nat. Hist., Royal Ontario Mus., Toronto, ON.*
- 11:30    s04    Seasonal dynamics of ecological characteristics of migratory birds. A. TOWNSEND PETERSON, *Nat. Hist. Mus., Univ. Kansas, Lawrence, KS*, and ADOLFO G. NAVARRO-SIGÜENZA, *Museo de Zool., Facultad de Ciencias, Univ. Nacional Autónoma de México, Mexico, D.F.*
- 11:45    s05    Vainly beating the air: species concept debates need not impede progress in science or conservation. KEVIN WINKER, CHRISTIN PRUETT, THOMAS BRAILE, *Univ. Alaska Mus., Fairbanks, AK*, DEBORAH A. ROCQUE, *U.S. Fish & Wildl. Serv., Anchorage, AK*, and GARTH SPELLMAN, *Barrick Mus. Nat. Hist., Univ. Nevada, Las Vegas, NV.*
- 12:00    s06    Subspecies and their significance in modern ornithology. JAMES D. RISING, *Dept. Zoology, Univ. Toronto, Toronto, ON.*

- 12:15 s07 Another view on the value of museum collections and the need for vouchers. JOHN M BATES. *Dept. Zool., Field Mus., Chicago, IL.*
- 13:30 s08 Geographic variation and secondary contact in the Sage Sparrow complex. CARLA CICERO and NED K. JOHNSON, *Mus. Vert. Zool., Univ. California, Berkeley, CA.*
- 13:45 s09 Phylogeography of the Blue Grouse complex. GEORGE F. BARROWCLOUGH, JEFF G. GROTH, BARTEK JABLONSKI, LISA A. MERTZ, *Amer. Mus. Nat. Hist., New York, NY,* and R. J. GUTIERREZ, *Univ. Minnesota, St. Paul, MN.*
- 14:00 s10 Patterns of spot and niche differentiation among subspecies of the Spotted Owl. WILLIAM B. MONAHAN, *Dept. Integ. Biol. & Mus. Vert. Zool., Univ. California, Berkeley, CA.*
- 14:15 s11 Ecological speciation in the Great Basin: divergence and reproductive isolation in the South Hill crossbill. CRAIG W. BENKMAN, *Dept. Zool. & Physiol., Univ. Wyoming, Laramie, WY,* THOMAS L. PARCHMAN, JULIE W. SMITH, *Dept. Biol., New Mexico State Univ., Las Cruces, NM,* and LISA K. SNOWBERG, *Dept. Zool. & Physiol., Univ. Wyoming.*
- 14:30 s12 Habitat-dependent selection and geographic variation in the song of the Swainson's Thrush. KRISTEN C. RUEGG, *Mus. Vert. Zool., Univ. California, Berkeley, CA,* and HANS SLABBEKOORN, *Leiden Univ., Leiden, The Netherlands.*
- 14:45 s13 Phylogeography of the Pygmy Nuthatch. GARTH M. SPELLMAN and JOHN KLICKA, *Barrick Mus. Nat. Hist. and Dept. Biol. Sci., Univ. Nevada-Las Vegas, Las Vegas, NV.*
- 15:00 s14 Comparative phylogeography of California birds. KEVIN J. BURNS, MATT P. ALEXANDER, DINO N. BARHOUM, and ERIK A. SGARIGLIA, *Dept. Biol., San Diego State Univ., San Diego, CA.*
- 15:15 s15 The life and times of Ned K. Johnson. CARLA CICERO, *Mus. Vert. Zool., Univ. California, Berkeley, CA.*

**Symposium B.** *Parasite effects on birds at individual and population levels* (organized by Kevin Lafferty and Armand Kuris).

- 10:15 s16 Introduction to the symposium: birds and parasites in food webs. KEVIN LAFFERTY, *USGS Western Ecol. Res. Ctr, Univ. California Santa Barbara, Santa Barbara, CA.*
- 10:30 s17 Links between shorebirds and trematodes at large scales in New Zealand. BRIAN FREDENSBORG, *Univ. Otago, Dunedin, New Zealand.*
- 11:00 s18 Links between shorebirds and trematodes at small scales in California. RYAN HECHINGER, *Univ. California Santa Barbara, Santa Barbara, CA.*
- 11:30 s19 Endangered species and parasites: the affect of Clapper Rail abundance on the community composition of estuarine trematodes in horn snails. K. L. WHITNEY, R. F. HECHINGER, *Dept. Ecol., Evol. & Marine Biol., Univ. California Santa Barbara, Santa Barbara, CA,* and K. D. LAFFERTY, *USGS Western Ecol. Res. Ctr., Univ. California Santa Barbara.*
- 12:00 s20
- 13:30 s21 Parasites, mortality and sexual selection. MARLENE ZUK, *Dept. Biol., Univ. California*

Riverside, Riverside, CA, ANDRÁS LIKER, Dept. Zool., Univ. Veszprém, Hungary, and ROBIN TINGHITELLA, Dept. Biol., Univ. California, Riverside.

14:00 s22 Adaptive significance of avian beak morphology for ectoparasite control. DALE H. CLAYTON, Dept. Biol., Univ. Utah, Salt Lake City UT.

14:30 s23 Selection and adaptations in bird-ectoparasite interactions. HEINZ RICHNER, Univ. Bern, Bern, Switzerland.

#### Thursday, 25 August

**Plenary 2 20:00 Rediscovery of the Ivory-billed Woodpecker and its conservation implications. JOHN W. FITZPATRICK, Lab. Ornithol., Cornell Univ., Ithaca, NY.**

#### Friday, 26 August

Plenary presented in Campbell Hall  
Symposium C held in Lotte Lehmann

**Plenary 3 08:30 Recovery of the Western Snowy Plover in a southern California beach: a success story. CRISTINA P. SANDOVAL, Natural Reserve System, Univ. California, Santa Barbara, CA, KEVIN D. LAFFERTY, USGS Western Ecol. Res. Ctr., Univ. California, and DARCI GOODMAN, Bren School of Environ. Sci. & Manage., Univ. California.**

**Symposium C.** *Avian conservation in western riparian ecosystems* (organized by Barbara Kus and Mary Whitfield)

10:15 s24 Introduction and overview. BARBARA E. KUS, USGS Western Ecol. Res. Center, San Diego, CA.

10:30 s25 Multiple stressors to birds breeding, migrating, and wintering in riparian habitats. ROBERT J. FLETCHER Jr., Avian Sci. Center, Div. Biol. Sci., Univ. Montana, Missoula, MT, TY D. SMUCKER, Wildl. Biol. Prog., Coll. For. & Conserv., Univ. Montana, J. FERNANDO VILLASENOR-GOMEZ, Div. Biol. Sci., Univ. Montana, and RICHARD L. HUTTO, Avian Sci. Center, Div. Biol. Sciences, Univ. Montana.

11:00 s26 The importance of riparian habitats to the forest birds of the Pacific Northwest conifer forests of California and Oregon. C. JOHN RALPH, SHERRI L. MILLER, PABLO A. HERRERA, U.S. Forest Service, Redwood Sci. Lab., Arcata, CA, JOHN D. ALEXANDER, Klamath Bird Observatory, Ashland, OR, and ROBERT M. SULLIVAN, Trinity River Restor. Prog., U.S. Bureau of Reclama., Weaverville, CA.

11:15 s27 Stopover ecology of Wilson's Warblers along the Lower Colorado River: a telemetry study. KRISTINA L. ECTON, CHARLES VAN RIPER and CHRIS O'BRIEN, USGS-SBSC-Sonoran Desert Research Station, Tucson, AZ.

11:30 s28 \* The roles of floristics and physiognomy in the organization of an enroute migrant landbird community: a local-scale comparison of exotic *Tamarix* and native riparian vegetation. HIRA A. WALKER, Dept. Biol., Univ. New Mexico, Albuquerque, NM and USDA Forest Service, Rocky Mtn. Res. Sta., Albuquerque, NM.

- 11:45 s29 Avian food resources in saltcedar versus native habitats: implications for the Southwestern Willow Flycatcher. SCOTT L. DURST, *USGS-SBSC, Colorado Plateau Res. Sta., Northern Arizona Univ., Flagstaff, AZ*, TAD C. THEIMER, *Dept. Biol. Sci., Northern Arizona Univ.*, EBEN H. PAXTON, MARK K. SOGGE and MARLYSE C. WASKIEWICZ, *USGS-SBSC, Colorado Plateau Res. Sta.*
- 12:00 s30 Is saltcedar habitat always bad for birds? lessons from studies of the Southwestern Willow Flycatcher. MARK K. SOGGE, *USGS Southwest Biol. Sci. Ctr., Flagstaff, AZ*, and EBEN H. PAXTON, *USGS Southwest Biol. Sci. Ctr. and Dept. Biol., Northern Arizona Univ., Flagstaff, AZ.*
- 12:15 s31 Conservation of Southwestern Willow Flycatchers: home range and habitat use by an endangered bird. SUZANNE N. CARDINAL, *USGS SBSC Colorado Plateau Res. Sta., and Dept. Biol., Northern Arizona Univ., Flagstaff, AZ*, EBEN H. PAXTON, *USGS SBSC Colorado Plateau Res. Sta.*, and TAD C. THEIMER, *Dept. Biol., Northern Arizona Univ.*
- 13:30 s31b Microclimatic nest-site selection by Southwestern Willow Flycatchers. MARY ANNE McLEOD, THOMAS J. KORONKIEWICZ, *SWCA Environmental Consultants, Flagstaff, AZ*, and BRYAN T. BROWN, *SWCA Environmental Consultants, Salt Lake City, UT.*
- 13:45 s32 The flycatcher and the phoenix: riparian habitat creation and destruction in a fluctuating reservoir. EBEN H. PAXTON, *USGS Southwest Biol. Sci. Center, Colorado Plateau Res. Sta., Flagstaff, AZ.*
- 14:00 s33 The reoccupation of Willow Flycatchers in an unexpected riparian habitat type at Mono Lake, California. CHRIS McCREEDY, SACHA K. HEATH and GRANT BALLARD, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA.*
- 14:15 s34 Population demographics of Willow Flycatchers in the central Sierra Nevada: dispersal distances of juveniles direct conservation efforts. HEATHER A. MATHEWSON, *Ecol, Evol, Con. Bio., Univ. Nevada, Reno, NV*, HELEN L. LOFFLAND, *Pioneer, CA*, and MICHAEL L. MORRISON, *Dept. Biol., Univ. Nevada, Reno, NV.*
- 14:30 s35 Distribution and abundance patterns of Yellow-billed Cuckoos in Arizona and their implications for riparian conservation. MATTHEW J. JOHNSON, JENNIFER A. HOLMES, *USGS Southwest Biol. Sci. Center, Colorado Plateau Res. Sta., Northern Arizona Univ., Flagstaff, AZ*, CHARLES VAN RIPER, III, *USGS Southwest Biol. Sci. Center, Sonoran Desert Field Sta., Tucson, AZ*, and MURRELET D. HALTERMAN, *Ecol., Evol. & Conserv. Biol., Univ. Nevada, Reno, NV.*
- 14:45 s36 Comparing Yellow-billed Cuckoo distribution models in Arizona. CHARLES VAN RIPER III, TERANCE R. ARUNDEL, MATTHEW J. JOHNSON and JENIFER A. HOLMES, *USGS and Northern Arizona Univ., Flagstaff, AZ.*
- 15:30 s37 Testing the standard survey method for Yellow-billed Cuckoos: how many cuckoos are really out there? M. D. HALTERMAN, *Dept. Ecol., Evol. & Conserv. Biol., Univ. Nevada, Reno, and Southern Sierra Res. Sta., Reno, NV.*
- 15:45 s38 Space, time and cowbirds: what happens to Least Bell's Vireos when a long-term trapping program ends? BARBARA E. KUS, *USGS Western Ecol. Res. Center, San Diego, CA.*
- 16:00 s39 Eleven years of monitoring on the Sacramento River: abundance patterns of landbirds in restored and remnant riparian forests. THOMAS GARDALI, AARON L. HOLMES, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, STACY L. SMALL, *Div. Biol. Sci., Univ. Missouri, Columbia, MO*, NADAV NUR, GEOFFREY R. GEUPEL, *Point Reyes Bird*

*Observ. Conserv. Sci.*, and GREGORY H. GOLET, *The Nature Conservancy, Chico, CA.*

- 16:15 s40 Comparing habitat choice of breeding birds in restored and remnant riparian sites of California's Central Valley. CHRISSY A. HOWELL, NADAV NUR and GEOFFREY GEUPEL, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA.*
- 16:30 s40b Least Bell's Vireo breeding in a San Joaquin Valley riparian restoration site: first confirmed record since 1919. JULIAN K. WOOD, GEOFFREY R. GEUPEL, LINETTE LINA, *PRBO Conserv. Sci., Stinson Beach, CA*, STACY L. SMALL, *Univ. Missouri, Columbia, MO*, BARBARA KUS, *USGS, San Diego, CA*, DENNIS WOOLINGTON, KENNETH GRIGGS, *U.S. Fish & Wildl. Serv., Los Banos, CA*, TOM GRIGGS and TAMARA SPERBER, *River Partners, Chico, CA.*
- 16:45 s41 Diversity and population trends in riparian sites in southern California. J. C. UYEHARA, *U.S. Forest Service, Los Padres Natl. Forest, Goleta, CA*, SYLVIA MORI, *USFS, Pacific Southwest Res. Sta., Albany, CA*, and KATHRYN PURCELL, *USFS, PSW-Sierra Nevada Res. Center, Fresno, CA.*
- 17:00 s42 Instability versus stability of avian community composition in riparian habitats of the Intermountain West: what's going on? DAVID S. DOBKIN, *High Desert Ecol. Res. Inst., Bend, OR*, and SUSAN.L. EARNST, *USGS, Forest & Rangeland Ecosystem Sci. Ctr, Boise, ID.*
- 17:15 s43 Continental vulnerability and indicator quality of western riparian landbirds. TERRELL D. RICH, *U.S. Fish & Wildl. Serv./Partners in Flight, Boise, ID.*

### **Saturday, 27 August**

Plenary presented in Campbell Hall  
Symposium D held in Lotte Lehmann

#### **Symposium D.** *Endangered species recovery: the California Condor as a model* (organized by Allan Mee)

- 08:30 s46 Limiting factors for the historic California Condor population: implications for the future. NOEL SNYDER, *Portal, AZ.*
- 09:00 s47 Reintroduction of California Condors into their historical range: the recovery program in California. JESSE GRANTHAM, *U.S. Fish & Wildl. Serv., Ventura, CA.*
- 09:15 s48 Genetic variation in the California Condor over the past century: the use of museum specimens to measure the effect of a population bottleneck. NEIL CLIPPERTON, MARY ADAMS and FRANCIS X. VILLABLANCA, *California Poly. State Univ., San Luis Obispo, CA.*
- 10:15 s49 Improving genetic management of California Condors through molecular research. O. RYDER, M. ROMANOV, E. STREMEL, L. CHEMNICK, *Zoological Society of San Diego, San Diego, CA*, J. BALLOU AND K. RALLS, *Smithsonian Natl. Zool. Park, Washington, DC*, A. MITCHELL and E. THOMPSON, *Dept. Stat., Univ. Washington, Seattle, WA*, and K. JONES, *Genetic Identification Services, Inc.*
- 10:30 s50 Survival and reproduction of California Condors released in Arizona. CHRISTOPHER P WOODS, WILLIAM R. HEINRICH, CHRIS N. PARISH, SHAWN C. FARRY and TOM J.

CADE, *The Peregrine Fund, Boise, ID.*

- 10:45 s51 Movements of introduced California Condors in Arizona in relation to lead exposure. GRAINGER HUNT, CHRIS PARISH, SHAWN FARRY, *Peregrine Fund, Boise, ID*, RON SEIG, *Arizona Fish & Game Dept., Flagstaff, AZ*, and THOM LORD, *Peregrine Fund, Boise, ID.*
- 11:00 s52 Five years of lead exposure among California Condors released in Arizona. CHRIS PARISH, WILLIAM HEINRICH and GRAINGER HUNT, *The Peregrine Fund, Boise, ID.*
- 11:15 s53 Efforts to Reduce California Condor Lead Exposure in Arizona. KATHY SULLIVAN, RON SIEG, *Arizona Game and Fish Dept., Flagstaff, AZ*, and CHRIS PARISH, *Peregrine Fund, Mormon Lake, AZ.*
- 11:30 s54 Lead exposure among reintroduced California Condors in southern California. MARK HALL, JESSE GRANTHAM, RICHARD POSEY, U.S. Fish & Wildl. Serv., *Ventura, CA*, and ALLAN MEE, *Zoological Society of San Diego, Escondido, CA.*
- 11:45 s55 Exposure, depuration, and possible sources of lead intoxication of California Condors. D. MICHAEL FRY, *Stratus Consulting Inc., Boulder, CO.*
- 12:00 s56 Sources of lead to California Condors. MOLLY CHURCH, R. GWIAZDA, *Univ. California Santa Cruz, Santa Cruz, CA*, KELLY SORENSON, *Ventana Wilderness Society, Salinas, CA*, and DON SMITH, *Univ. California Santa Cruz, Santa Cruz, CA.*
- 12:15 s57 Using GPS-telemetry to determine the influence of proffered carcasses on home ranges of reintroduced condors in California. ERIC L. STOVER, KELLY J. SORENSON, JESSICA C. KONING, *Ventana Wilderness Society, Salinas, CA*, and MONICA IGLECIA, *Univ. California Santa Cruz, Santa Cruz, CA.*
- 13:30 s58 Breeding effort in reintroduced California Condors in California: why is nest success so low? ALLAN MEE, *Zool. Soc. San Diego, Escondido, CA*, JENNIE SINCLAIR, *U.S. Fish & Wildl. Serv., Ventura, CA*, and JAN HAMBER, *Santa Barbara Nat. Hist. Mus., Santa Barbara, CA.*
- 13:45 s59 A quantitative assessment of the California Condor mentoring program. ANNA T. BUKOWINSKI, FRED B. BERCOVITCH, ALLISON C. ALBERTS, MIKE P. WALLACE, SERGIO ANCONA and MIKE E. MACE, *Zoological Society of San Diego, Escondido, CA.*
- 14:00 s60 Release of puppet-reared California Condors in Baja California, an experiment with a newly modified technique. MICHAEL WALLACE, *Zoological Society of San Diego, Escondido, CA*, MICHAEL CLARK, *Los Angeles Zoo, Los Angeles, CA*, JUAN VARGAS and CATALINA PORRAS, *Zoological Society of San Diego, Escondido, CA.*
- 14:15 s61 Rearing California Condors for release using a modified puppet-rearing technique. MICHAEL CLARK, *Los Angeles Zoo, Los Angeles, CA*, MICHAEL WALLACE, *Zoological Society of San Diego, Escondido, CA*, and CHANDRA DAVID, *Los Angeles Zoo, Los Angeles, CA.*
- Plenary 4      16:00    Cuckoos versus hosts: coevolution and chick-tuning. NICK B. DAVIES, Dept. Zool., Univ. Cambridge, Cambridge, UK.**

## **Part 2: General Papers**

## WEDNESDAY, 24 August 2005

For general paper sessions

"A" sessions held in Corwin East

"B" sessions held in Lotte Lehmann

"C" sessions held in Flying A Room

### Session 1A. Breeding biology. Karl L. Kosciuch, chair.

- 10:15 1 \* High nest desertion frequencies by Bell's Vireo in Kansas: population-specific adaptation or a generalized response? KARL L. KOSCIUCH and BRETT K. SANDERCOCK, *Div. Biol., Kansas State Univ., Manhattan, KS.*
- 10:30 2 \* Isotopic evidence of income breeding in two arctic nesting birds. SHONA L. LAWSON, *Dept. Biol., Univ. Saskatchewan, Saskatoon, SK*, and RAY T. ALISAUSKAS, *Canadian Wildl. Serv., Saskatoon, SK and Dept. Biol., Univ. Saskatchewan, Saskatoon, SK.*
- 10:45 3 \* What is a nest? Influence of nest definition on estimates of nesting success in Burrowing Owls. VICTORIA GARCIA and COURTNEY J. CONWAY, *Arizona Coop. Fish & Wildl. Res. Unit, School Nat. Res., Univ. Arizona, Tucson, AZ.*
- 11:00 4 \* Nest predation and the expression of alternative reproductive strategies: an experimental test. J. J. FONTAINE and T. E. MARTIN, *Montana Coop. Wildl. Res. Unit, Univ. Mont., Missoula, MT.*
- 11:15 5 \* Non-destructive sampling of maternal DNA from the external shell of bird eggs. GREGORY SCHMALTZ, CHRISTOPHER M. SOMERS, PRIYA SHARMA and JAMES S. QUINN, *Dept Biol., McMaster Univ., Hamilton, ON.*
- 11:30 6 \* Reproductive ecology of the cooperatively polyandrous Galápagos Hawk: how many males are enough – and who decides? KENNETH M. LEVENSTEIN, *Env. Sci. Prog., Dept. Biol. Sci., Arkansas State Univ., Jonesboro, AR*, JAMES C. BEDNARZ, *Dept. Biol. Sci., Arkansas State Univ., Jonesboro, AR*, MICHELLE D. CANNON, *Dept. Forest Sci., Oregon State Univ., Corvallis, OR*, and PATRICIA G. PARKER, *Dept. Biol., Univ. St. Louis, St. Louis, MO.*
- 11:45 7 \* Immunocompetence and neonatal daily investigator handling of two cavity nesting species. MICHAEL W. BUTLER and ALFRED M. DUFTY, Jr., *Dept. Biol., Boise State Univ., Boise, ID.*
- 12:00 8 \* Asynchronous hatching in Florida Scrub-Jays is associated with lighter females and smaller egg volumes. RAOUL K. BOUGHTON, ELI BRIDGE, STEPHEN J SCHOECH, *Univ. Memphis, Memphis, TN*, and REED BOWMAN, *Archbold Biol. Sta, Lake Placid, FL.*
- 12:15 9 \* Habitat-specific demography and invasion by exotic forest birds in Hawaii. JEFFREY T. FOSTER, *Univ. Illinois, Urbana-Champaign, IL.*

### Session 1B. Conservation. Robert J. Cooper, chair.

- 10:15 10 Video evidence and sightings of Ivory-billed Woodpecker in eastern Arkansas in 2004 - 2005. KENNETH V. ROSENBERG, JOHN W. FITZPATRICK, MARTJAN LAMMERTINK and RONALD W. ROHRBAUGH, *Lab. Ornithol., Cornell Univ., Ithaca NY.*
- 10:30 11 Status of recent acoustic search for Ivory-billed Woodpecker in the U.S. R. A. CHARIF, K. A. CORTOPASSI, K. M. FRISTRUP, H. K. FIGUEROA, K. V. ROSENBERG and J. W.

FITZPATRICK, *Lab. Ornithol., Cornell Univ., Ithaca, NY.*

- 10:45 12 When standard techniques fall short – novel and adapted survey methods for finding the Ivory-billed Woodpecker and other ultra rare species. R. W. ROHRBAUGH, M. LAMMERTINK, E. C. H. SWARTHOUT, P. H. WREGE, K. V. ROSENBERG, S. BARKER SWARTHOUT and J. W. FITZPATRICK, *Lab. Ornithol., Cornell, Univ., Ithaca, NY.*
- 11:00 13 What do we know about the effects of current management practices in the Mississippi Alluvial Valley on Ivory-billed Woodpeckers? ROBERT J. COOPER, *Warnell School For. Res., Univ. Georgia, Athens, GA.*
- 11:15 14 An experimental study of the impact of Red-cockaded Woodpecker cavity management on the longleaf pine cavity-nesting bird community. LORI A. BLANC and JEFFREY R. WALTERS, *Dept. Biol., Virginia Tech Univ., Blacksburg, VA.*
- 11:30 15 Response of wintering Kirtland's Warblers to patch dynamics: an emerging view of Kirtland's Warbler habitat use in the Bahamas. JOSEPH M. WUNDERLE, Jr, *U.S. Forest Service, PR*, DAVID CURRIE, *Puerto Rican Conservation Foundation, PR*, and DAVID N. EWERT, *The Nature Conservancy, MI.*
- 11:45 16 Winter Wrens and ecological forestry: an analysis of breeding and winter ecology. NICHOLAS A. PALAZZOTTO and DAVID A. MANUWAL, *Coll. Forest Res., Univ. Washington, Seattle, WA.*
- 12:00 17 The effects of exurban development on the reproductive success of three species of Neotropical migrant songbirds breeding in forest fragments. DAWN M. BURKE, *Sci. & Info. Unit, Ontario Ministry Nat. Res., London, ON*, SONYA RICHMOND and ERICA NOL, *Watershed Ecosys. Grad. Prog., Trent Univ., Peterborough, ON.*
- 12:15 18 Evaluating habitat model predictions of saltmarsh sparrow abundance and productivity. CHRIS ELPHICK, CARINA GJERDRUM and MARGARET RUBEGA, *Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT.*

**Session 1C. Evolution. Farah Ishtiaq, chair.**

- 10:15 19 Prevalence and evolutionary relationships of haematozoan parasites in native versus introduced populations of Common Myna. FARAH ISHTIAQ, JON S. BEADELL, *Genetics Prog., Smithsonian Inst., Washington, DC*, ALLAN J. BAKER, *Centre Biodiv. & Conserv. Biol., Royal Ontario Mus., Toronto, ON*, ASAD R. RAHMANI, *Bombay Nat. Hist. Soc., Mumbai, India*, YADVENDRADEV V. JHALA, *Wildl. Inst. India, Dehra Dun, India*, and ROBERT C. FLEISCHER, *Genetics Prog., Smithsonian Inst.*
- 10:30 20 Hemoglobins track hummingbird evolution into the high Andes. CHRISTOPHER C. WITT and JIMMY A. McGUIRE, *Mus. Vert. Zool., Univ. California Berkeley, CA.*
- 10:45 21 Killing forces of North American accipiters and falcons: musculo-skeletal underpinnings to differences in foraging behavior. DIEGO SUSTAITA and FRITZ HERTEL, *Dept. Biol., California State Univ., Northridge, CA.*
- 11:00 22 Courting bird sings with stridulating wing feathers. KIMBERLY S. BOSTWICK, *Dept. Ecol. & Evol. Biol., Cornell Univ., Ithaca, NY.*
- 11:15 23 Relationships of the Papuan Swiftlet and the evolution of avian echolocation. J. JORDAN PRICE, *Dept. Biol., St. Mary's College of Maryland, St. Mary's City, MD*, KEVIN P. JOHNSON, *Illinois Nat. Hist. Surv., Champaign, IL*, SARAH E. BUSH and DALE H. CLAYTON, *Dept. Biol., Univ. Utah, Salt Lake City, UT.*



- 11:30 24 Evolution of cryptic coloration in host-specific parasites. D. KIM and D. H. CLAYTON, *Dept. Biol., Univ. Utah, Salt Lake City, UT.*
- 11:45 25 vacant
- 12:00 26 Why migrate? tests of alternative hypotheses in Burrowing Owls. COURTNEY J. CONWAY, *USGS Arizona Coop. Fish & Wildl. Res. Unit, School Nat. Res., Univ. Arizona, Tucson, AZ.*
- 12:15 27 Evolution of condition-dependence in sexual ornamentation: a novel perspective. ALEXANDER V. BADIYAEV, *Ecol. & Evol. Biol., Univ. Arizona, Tucson, AZ.*

**Session 2A. Breeding biology. Margret I. Hatch, chair.**

- 13:30 28 \* Ontogenic sex ratio variation, male-biased adult sex ratio, and higher female variance in reproductive success in Nazca Boobies. TERRI J. MANESS, MARK A. WESTBROCK and DAVID J. ANDERSON, *Biol. Dept., Wake Forest Univ., Winston-Salem, NC.*
- 13:45 29 \* Biased hatching sex ratio in the size dimorphic Nazca Booby suggests constraint rather than adaptation. MARK A. WESTBROCK and DAVID J. ANDERSON, *Dept. Biol., Wake Forest Univ., Winston-Salem, NC.*
- 14:00 30 \* The importance of multi-scale habitat characteristics to brood parasitism of the Prothonotary Warbler within a bottomland hardwood forest. J. J. GANNON and R. J. COOPER, *Warnell School For. Res., Univ. Georgia, Athens, GA.*
- 14:15 31 A comparison of Eastern Meadowlark breeding ecology in southwestern Wisconsin: 1950s vs. 2000s. MICHAEL J. GUZY, *Dept. Wildl. Ecol., Univ. Wisconsin, Madison, WI*, CHRISTINE A. RIBIC, *USGS Wisconsin Coop. Wildl. Res. Unit, Dept. Wildl. Ecol., Univ. Wisconsin*, DAVID W. SAMPLE, *Bureau Integrated Sci. Serv., Wisconsin Dept. Nat. Res., Monona, WI*, and WESLEY E. LANYON, *Am. Mus. Nat. Hist., New York, NY.*
- 14:30 32 Population genetic structure in the American Redstart. GABRIEL J. COLBECK, MICHAEL S. WEBSTER, *School Biol. Sci., Washington State Univ., Pullman, WA*, H. LISLE GIBBS, *Dept. Evol., Ecol. & Organ. Biol., Ohio State Univ., Columbus, OH*, and PETER P. MARRA, *Smithsonian Environ. Res. Ctr., Edgewater, MD.*
- 14:45 33 Age-related patterns of reproductive success in House Sparrows: individual performance. MARGRET I. HATCH and DAVID F. WESTNEAT, *Dept. Biol., Univ. Kentucky, Lexington, KY.*
- 15:00 34 Helpers-at-the-nest do not improve reproductive success in American Crows in Ithaca, NY. DOUGLAS A. ROBINSON, Jr., ANNE B. CLARK, *Dept. Biol. Sci., Binghamton Univ., Binghamton, NY*, and KEVIN J. MCGOWAN, *Lab. Ornithol., Cornell Univ., Ithaca, NY.*
- 15:15 35 Female extra-territorial forays and male song in Hooded Warblers. IOANA CHIVER, BRIDGET J. M. STUTCHBURY, *Dept. Biol., York Univ., Toronto, ON*, and EUGENE S. MORTON, *Hemlock Hill Biol. Sta., Cambridge Springs, PA.*

**Session 2B. Conservation. Rua M. Stob, chair.**

- 13:30 36 Long-term avifaunal impoverishment in an isolated tropical woodlot. NAVJOT S. SODHI, TIEN MING LEE, *Dept. Biol. Sci., Natl. Univ. Singapore, Singapore*, LIAN PIN KOH, *Dept. Ecol. Evol. Biol., Princeton Univ., Princeton, NJ*, and DEWI M. PRAWIRADILAGA, *LIPI, Cibinong, Indonesia.*

- 13:45 37 New perspectives on the historical decline of Hawaiian forest birds. PAUL C. BANKO and WINSTON E. BANKO, *Pacific Island Ecosys. Res. Ctr., Hawaii Natl. Park, HI.*
- 14:00 38 Translocation of an endangered passerine, the Palila. C. FARMER and P. C. BANKO, *Pacific Island Ecosys. Res. Ctr., Hawaii Natl. Park, HI.*
- 14:15 39 \* Threshold limits of hardwood midstory for foraging Red-cockaded Woodpeckers, in loblolly (*Pinus taeda*) / shortleaf (*Pinus echinata*) pine ecosystems in east Texas. JOHN N. MACEY, D. BRENT BURT, *Dept. Biol., Stephen F. Austin State Univ., Nacogdoches, TX*, RICHARD N. CONNER, *USFS, Southern Res. Sta., Nacogdoches, TX*, and LANCE McBRAYER, *Dept. Biol., Stephen F. Austin State Univ.*
- 14:30 40 \* Large-scale habitat features and Swallow-tailed Kite nest success in Georgia: integrating cost-explicit models into species management. RUA M. STOB, ROBERT J. COOPER, *Warnell School of Forest Resources, Univ. Georgia, Athens, GA*, and KEN MEYER, *Avian Research and Conservation Institute, Gainesville, FL.*
- 14:45 41 \* Critical wintering site for Great Lakes Piping Plovers. BRANDON L. NOEL and C. RAY CHANDLER, *Dept. Biol., Georgia Southern Univ., Statesboro, GA.*
- 15:00 42 \* Henslow's Sparrow winter survival estimates and response to prescribed burning. BENJAMIN S. THATCHER, DAVID G. KREMENTZ, *USGS Arkansas Coop. Fish & Wild. Res. Unit, Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR*, and MARK S. WOODREY, *U.S. Fish & Wildl. Serv., Jackson, MS.*
- 15:15 43 \* Comparison of historical and current nesting habitat for Interior Least Terns on the Arkansas River, Arkansas. ERIN L. KNOLL and TOM E. NUPP, *Fish. & Wildl. Prog., Arkansas Tech Univ., Russellville, AR.*

**Session 2C. Population biology. Brett K. Sandercock, chair.**

- 13:30 44 Demography of Upland Sandpipers in an experimental prairie landscape. BRETT K. SANDERCOCK, *Div. Biol., Kansas State Univ., Manhattan, KS.*
- 13:45 45 Factors affecting nest and post-fledging survival in a Swainson's Thrush population. JENNIFER D. WHITE, *Div. Biol. Sci., Univ. Missouri, Columbia, MO*, THOMAS GARDALI, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, FRANK R. THOMPSON III, *USDA For. Serv., North Central Res. Sta., Columbia, MO*, and JOHN FAABORG, *Div. Biol. Sci., Univ. Missouri, Columbia, MO.*
- 14:00 46 Apparent survival and recruitment rates of Aplomado Falcons differ due to origin and study site. JESSI L. BROWN, *Peregrine Fund, Boise, ID*, MICHAEL W. COLLOPY, *Dept. Nat. Res. & Env. Sci., Univ. Nevada-Reno, Reno, NV*, ERIN J. GOTT and PAUL W. JUERGENS, *Peregrine Fund.*
- 14:15 47 Combining demographic approaches to identify source-sink dynamics: an example using an endangered seabird. STEVEN R. BEISSINGER, M. ZACHARIAH PEERY, *Dept. Environ. Sci., Policy & Manage., Univ. California, Berkeley, CA*, and BENJAMIN H. BECKER, *Point Reyes Natl. Seashore, Point Reyes Station, CA.*
- 14:30 48 Survival and breeding dispersal estimation in American Redstart in relation to condition-dependent site tenacity: a multi-state capture-resight analysis. THOMAS W. SHERRY, *Dept. Ecol. & Evol. Biol., Tulane Univ., New Orleans, LA*, JEAN-DOMINIQUE LEBRETON, *CEFE, CNRS, Montpellier, France*, and RICHARD T. HOLMES, *Dept. Biol. Sci., Dartmouth Coll., Hanover, NH.*

- 14:45 49 Population declines of Neotropical-wintering landbirds appear to be driven primarily by processes that affect overwintering site persistence and annual survival. DAVID F. DeSANTE, DANIELLE R. KASCHUBE and JAMES F. SARACCO, *Inst. Bird Pop., Point Reyes Station, CA.*
- 15:00 50 Harvest, density dependence, and survival in Black Brant: a 50 year record of population dynamics. JAMES S. SEDINGER, *Nat. Res. & Environ. Sci., Univ. Nevada Reno, Reno, NV*, CHRISTOPHER A. NICOLAI, *Prog. Ecol., Evol. & Conserv. Biol., Univ. Nevada Reno*, CALVIN J. LENSINK, *U.S. Fish & Wildl. Serv. (retired), Buffalo, MN*, CYNTHIA WENTWORTH, *U.S. Fish & Wildl. Serv., Anchorage, AK*, and BRUCE CONANT, *U.S. Fish & Wildl. Serv., Juneau, AK.*
- 15:15 51 Site tenacity of Buff-breasted Sandpipers at Brazilian wintering sites. JULIANA B. ALMEIDA, *Prog. Ecol., Evol. & Conserv. Biol., Univ. Nevada Reno, Reno, NV*, and LEWIS W. ORING, *Dept. Nat. Res. & Environ. Sci., Univ. Nevada Reno.*

### FRIDAY, 26 August 2005

For general paper sessions

- "A" sessions held in Flying A Room
- "B" sessions held in MCC Theatre
- "C" sessions held in Corwin East
- "D" sessions held in Harbor Room
- "E" sessions held in Corwin West

### Session 3A. Systematics. John Klicka, chair.

- 10:15 52 Phylogeny of tropical Pacific flycatchers: is there a Polynesian avifauna? ROBERT G. MOYLE and CHRISTOPHER E. FILARDI, *Dept. Ornithol., Am. Mus. Nat. Hist., New York, NY.*
- 10:30 53 Phylogenetics of *Leptotila* doves: an empirical example of why the ILD test is still useful. JASON D. WECKSTEIN and KEVIN P. JOHNSON, *Illinois Nat. Hist. Surv., Champaign, IL.*
- 10:45 54 Phylogenetic relationships of the Madagascar Pygmy Kingfisher. BEN D. MARKS, *Mus. Nat. Sci. and Dept. Biol. Sci., Louisiana State Univ., Baton Rouge, LA*, and DAVID E. WILLARD, *Field Mus., Chicago, IL.*
- 11:00 55 Temperate and tropical New World sparrows (Emberizini), two separate clades? a mtDNA perspective. JOHN KLICKA and GARTH M. SPELLMAN, *Barrick Mus., Univ. Nevada Las Vegas, Las Vegas, NV.*
- 11:15 56 Systematics of *Cercomacra* antbirds (Aves: Thamnophilidae): the paraphyly of a widespread Neotropical genus. JOSE G. TELLO, *Dept. Ornithol., Am. Mus. Nat. Hist., New York, NY.*
- 11:30 57 \* Nuclear and mitochondrial sequence data drummed the traditional taxonomy and biogeographic history of the woodpeckers (Picidae). J. FUCHS, E. PASQUET, *Mus. Nat. d'Hist. Nat., Paris, France*, P. G. P. ERICSON and J. I. OHLSON, *Swedish Mus. Nat. Hist., Stockholm.*
- 11:45 58 \*Population genetic of the Streak-backed Oriole (*Icterus pustulatus*): is genetic data and their population history supporting the recognition of different species? MARIA N. CORTES-RODRIGUEZ, BLANCA E. HERNANDEZ-BAÑOS, ADOLFO G, NAVARRO-SIGUENZA, *Museo de Zoología, Depto. Biología Evolutiva, Facultad de*

*Ciencias, Univ. Nacional Autónoma de México, México, ELIZABETH HUMPFRIES and KEVIN E. OMLAND, Dept. Biol. Sci., Univ. Maryland-Baltimore Co., Baltimore, MD.*

- 12:00 59 \* Historical biogeography of southern Asia: continental diversification of birds. SUSHMA REDDY, *Field Mus., Chicago, IL.*
- 12:15 60 \* Migration and morphology: phylogenetically independent changes in covariance structure in migratory *Ficedula* flycatchers (Muscicapidae). DIANA C. OUTLAW and GARY VOELKER, *Dept. Biol., Univ. Memphis, Memphis TN.*

**Session 3B. Conservation. Daniel H. Kim, chair.**

- 10:15 61 Conservation of Purple Martin pre-migratory roosts located using doppler radar. J. R. HILL III, P. M. KRAMER and J. TAUTIN, *Purple Martin Conserv. Assoc., Edinboro, PA.*
- 10:30 62 Population stability of Purple Martins in the eastern United States and some influential factors. SCOTT A. RUSH, *Warnell School For. Res., Univ. Georgia, Athens, GA*, JAMES R. HILL, III, PATRICK KRAMER, JOHN TAUTIN, *Purple Martin Conserv. Assoc., Edinboro, PA*, and BRIDGET J. M. STUTCHBURY, *Biol. Dept., York Univ., Toronto, ON.*
- 10:45 63 Advancing restoration science through research, monitoring, and modeling of bird populations dependent on tidal marsh habitat in San Francisco Estuary. NADAV NUR, MARK HERZOG, NILS WARNOCK, DIANA STRALBERG, LEONARD LIU, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, and HILDIE SPAUTZ, *Wetlands Wildl. Assoc., El Cerrito, CA.*
- 11:00 64 Age ratios as estimators of productivity: assumptions and applications to Marbled Murrelets. M. ZACHARIAH PEERY, *Moss Landing Marine Lab., Moss Landing, CA*, BENJAMIN H. BECKER, *Point Reyes Natl. Seashore, CA*, and STEVEN R. BEISSINGER, *Univ. California, Berkeley, CA.*
- 11:15 65 \*Modeling tropical forest patch occupancy by resident and migrant birds of the Caribbean lowlands of Costa Rica: a multi-scaled approach. DINA L. ROBERTS, EDWARD O. GARTON, *Dept. Fish & Wildl., Univ. Idaho, Moscow, ID*, and CELIA A. HARVEY, *CATIE, Turrialba, Costa Rica.*
- 11:30 66 Characteristics of snags containing excavated cavities in northern Arizona mixed-conifer and ponderosa pine forests. JOSEPH L. GANEY and SCOTT C. VOJTA, *USDA Forest Service, Rocky Mountain Res. Sta., Flagstaff, AZ.*
- 11:45 67 Effects of burning and grazing upon body condition and nest success in Bobolinks. DANIEL H. KIM, *Platte River Trust, Wood River, NE*, and J. PATRICE STEWART, *Dept. Wildl. Fish. Sci, Texas A&M Univ., College Station, TX.*
- 12:00 68 Good guys or bad guys: are wintering Bobolinks a pest or a beneficial species in South American croplands? ROSALIND B. RENFREW, *Vermont Inst. Nat. Sci., Woodstock, VT*, and ANA MARIA SAAVEDRA, *Museo de Historia Natural de Noel Kempff Mercado, Santa Cruz, Bolivia.*
- 12:15 69 The R3/R5 Impoundment Study: a large-scale management experiment. JAMES E. LYONS, *USGS Patuxent Wildl. Res. Ctr., Laurel, MD*, HAROLD P. LASKOWSKI, *U.S. Fish & Wildl. Serv., Milton, DE*, MICHAEL C. RUNGE, *USGS-Patuxent Wildl. Res. Ctr, SOCHEATA LOR, U.S. Fish & Wildl. Serv., LaCrosse, WI*, WILLIAM L. KENDALL, *USGS-Patuxent Wildl. Res. Ctr, and SUSAN TALBOTT, U.S. Fish & Wildl. Serv., Milton, DE.*

**Session 3C. Behavior. David J. Delehanty, chair.**

- 10:15 70 Optimal grit acquisition by Black Brant. EMILY R. BJERRE and JEFFREY M. BLACK, *Wildl. Dept., Humboldt State Univ., Arcata, CA.*
- 10:30 71 An experimental mate-loss experiment in Black Brant: effects of male mate loss on breeding probability, clutch size, and nest initiation dates. CHRISTOPHER A. NICOLAI, *Prog. Ecol., Evol. & Conserv. Biol., Univ. Nevada Reno, Reno, NV,* and JAMES S. SEDINGER, *Dept. Nat. Res. & Environ. Sci., Univ. Nevada Reno.*
- 10:45 72 An analysis of the large-scale predatory behavior of wintering *Accipiter* hawks: an analysis of the large-scale predatory behavior of wintering *Accipiter* hawks. TIMOTHY C. ROTH II and STEVEN L. LIMA, *Dept. Ecol. & Organismal Biol., Indiana State Univ., Terre Haute, IN.*
- 11:00 73 Behavioral and morphological asymmetries in Chukar copulation. DAVID J. DELEHANTY and PAMELA PAASCHÉ O'HEARN, *Dept. Biol. Sci., Idaho State Univ., Pocatello, ID.*
- 11:15 74 Bright plumage predicts male mating success in the lekking Golden-collared Manakin, *Manacus vitellinus*. ADAM C. STEIN, *Dept. Biol., San Francisco State Univ., San Francisco, CA,* and J. ALBERT C. UY, *Dept. Biol., Syracuse Univ., Syracuse, NY.*
- 11:30 75 \* Calling is contagious in male Magellanic Penguins. J. ALAN CLARK and P. DEE BOERSMA, *Dept. Biol., Univ. Washington, Seattle, WA.*
- 11:45 76 \* Inter-pair communication via duets among California Towhees. LAURYN BENEDICT, *Mus. Vert. Zool. and Dept. Integrative Biol., Univ. California Berkeley, Berkeley, CA.*
- 12:00 77 \* Effects of nutritional condition on the response to mate-loss by permanent-resident territorial birds: tests of predictions from dynamic optimality theory. JENNIFER T. ELLIOTT and THOMAS C. GRUBB, Jr., *Dept. Evol., Ecol. & Organismal Biol., Ohio State Univ., Columbus, OH.*
- 12:15 78 Evaluating coalition formation scenarios using microsatellite data in Wild Turkeys. ALAN H. KRAKAUER, *Mus. Vert. Zool. and Dept. Integrative Biol., Univ. California Berkeley, Berkeley, CA.*

**Session 3D. Foraging and diet. Margaret Rubega, chair.**

- 10:15 79 \* Diet assessment of Northern Fulmars in Alaska using fatty acid signature analysis. SHIWAY W. WANG, *School Fish. & Ocean Sci., Univ. Alaska-Fairbanks, Fairbanks, AK,* SARA J. IVERSON, *Dept. Biol., Dalhousie Univ., Halifax, NS,* ALAN M. SPRINGER, *Inst. Marine Sci., Univ. Alaska-Fairbanks, Fairbanks, AK,* and SCOTT A. HATCH, *USGS, Alaska Sci. Ctr., Anchorage, AK.*
- 10:30 80 \* Winter diet and seed selection of Henslow's Sparrows in southeastern Louisiana. JENNIFER K. DiMICELI, ERIK I. JOHNSON and PHILIP C. STOUFFER, *School Renew. Nat. Res., Louisiana State Univ. Baton Rouge, LA.*
- 10:45 81 \* Biomechanics of prey processing in Carmine and White-throated bee-eaters (*Merops*). KIRA SULLIVAN-WILEY, MARGARET RUBEGA, *Dept. Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT,* and CHRISTINE SHEPPARD, *Dept. Ornithol., Bronx Zoo, Wildl. Conserv. Soc., Bronx, NY.*
- 11:00 82 \* Using digital photographs and GIS software to estimate cover within 2-m<sup>2</sup> plots. JASON D. LUSCIER, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR,* WILLIAM L. THOMPSON,

*Natl. Park Serv., Anchorage, AK, JOHN M. WILSON and BRUCE E. GORHAM, Center Advanced Spatial Tech., Univ. Arkansas, Fayetteville, AR.*

- 11:15 83 Diet shift in Heermann's Gulls during the non-breeding season. WALTER WEHTJE, *California State Univ., Northridge, CA*, DANIEL W. ANDERSON, *Univ. California, Davis, CA*, and FRITZ HERTEL *California State Univ., Northridge*.
- 11:30 84 Global climate acts locally: ENSO explains much of the observed inter-year variation in timing of reproduction in Florida Scrub-Jays. STEPHAN J. SCHOECH, ELI BRIDGE, *Dept. Biol., Univ. Memphis, Memphis, TN*, R. BOWMAN, *Archbold Biol. Stn, Lake Placid, FL*, RAOUL K. BOUGHTON, *Dept. Biol., Univ. Memphis*, RONALD L. MUMME, *Dept. Biol., Allegheny Coll., Meadville, PA*, JOHN W. FITZPATRICK, *Lab. Ornithol., Cornell Univ., Ithaca, NY*, and GLEN E. WOOLFENDEN, *Archbold Biol. Stn*.
- 11:45 85 Tongue-jerking in Ruddy Turnstones: a novel form of prey transport. MARGARET RUBEGA, CARINA GJERDRUM, KURT SCHWENK, GREGOR YANEGA and KIRA SULLIVAN-WILEY, *Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT*.
- 12:00 86 West Nile virus devastates an American Crow population. CAROLEE CAFFREY, *Biol. Dept., Coll. New Jersey, Ewing, NJ*, SHAUNA C. R. SMITH and TIFFANY J. WESTON, *Zool. Dept., Oklahoma State Univ., Stillwater, OK*.
- 12:15 87 Home range and diet in two species of Amazonian toucans. KIMBERLY M. HOLBROOK, *Dept. Biol., Univ. Missouri-St. Louis, St. Louis, MO*.

**Session 3E. Ecology. Pamela D. Hunt, chair.**

- 10:15 88 Measuring territory size for a forest songbird. EMILY SILVERMAN, JASON LAW, *School Nat. Res. & Environ., Univ. Michigan, Ann Arbor, MI*, and KIMBERLY HALL, *Dept. Fish. & Wildl., Michigan State Univ., East Lansing, MI*.
- 10:30 89 Yellow-chevroned Parakeet range expansion in southern California – a spatial spread model. KAREN T. MABB, *Dept. Ecol., Evol. & Nat. Res., Rutgers Univ., New Brunswick, NJ*, and KIMBALL L. GARRETT, *Nat. Hist. Mus. Los Angeles Co., Los Angeles, CA*.
- 10:45 90 Site fidelity in an isolated mountaintop population of Blackpoll Warblers in New Hampshire. PAMELA D. HUNT, *New Hampshire Audubon, Concord, NH*.
- 11:00 91 Effects of pinyon-pine mortality on birds of pinyon-juniper woodlands. SCOTT R. SCHLOSSBERG and JEFFREY D. BRAWN, *Prog. Ecol. Evol. Biol, Univ. Illinois, Champaign, IL*.
- 11:15 92 Persistence of tropical forest birds in agricultural countryside. CAGAN SEKERCIOGLU, GRETCHEN DAILY, PAUL EHRLICH, *Dept. Biol. Sci. Stanford Univ. Center Conserv. Biol., Stanford, CA*, SCOTT R. LOARIE, *Nicholas School Environ. & Earth Sci, Duke Univ., Durham, NC*, and VIVIAN RUIZ-GUTIERREZ, *Dept. Ecol. & Evol. Biol. Cornell Univ. Ithaca, NY*.
- 11:30 93 Effects of birds on sapling growth in the Maurepas Swamp, Louisiana. DAVID M. FOX and PHILIP C. STOUFFER, *Dept. Renew. Nat. Res., Louisiana State Univ., Baton Rouge, LA*.
- 11:45 94 Effects of fire on movements, body condition, and abundance of wintering Henslow's Sparrows in southeastern Louisiana. ERIK I. JOHNSON, JENNIFER K. DiMICELI and PHILIP C. STOUFFER. *School Renew. Nat. Res., Louisiana State Univ., Baton Rouge, LA*.

- 12:00 95 Effects of landscape context on raptor distributions in an urbanizing region of southern California. ALLISON D. RUDALEVIGE and JOHN T. ROTENBERRY, *Dept. Biol., Univ. California, Riverside, Riverside, CA.*
- 12:15 96 Territory choice at two scales in males and females of the Swamp Sparrow. BRIAN J. OLSEN, *Dept. Biol. Sci., Virginia Tech, Blacksburg, VA*, RUSSELL GREENBERG, *Smithsonian Migr. Bird Ctr., Smithsonian Natl. Zool. Park, Washington, DC*, and JEFFREY R. WALTERS, *Dept. Biol. Sci., Virginia Tech, Blacksburg, VA.*

**Session 4A. Physiology. Alfred M. Dufty, Jr., chair.**

- 13:30 97 Stress responsiveness in nestlings: a comparison of two sampling techniques. ALFRED M. DUFTY, Jr., *Dept. Biol., Boise State Univ., Boise, ID.*
- 13:45 98 Evidence of facultative rest-phase hypothermia in free-ranging Northern Mockingbirds during winter. ANDREW S. DOLBY, JOHN G. TEMPLE, EMILY A. KIMMITT and KELLY C. MINTON, *Dept. Biol. Sci., Univ. Mary Washington, Fredericksburg, VA.*
- 14:00 99 \* Effects of tail elongation on body drag, metabolic rate, and top speed of Anna's Hummingbird. CHRISTOPHER JAMES CLARK and ROBERT DUDLEY, *Integ. Biol., Univ. California-Berkeley, Berkeley, CA.*
- 14:15 100 \* Singing in the Rain: growth of the song control system in free-ranging adult male Rufous-winged Sparrows. CHRISTINE R. STRAND, THOMAS W. SMALL and PIERRE DEVICHE, *School Life Sci., Arizona State Univ., Tempe, AZ.*
- 14:30 101 \* Effect of increased temperature on growth rate in thermally dependent altricial nestlings. JEFFREY J. KOVATCH and F. REED HAINSWORTH, *Dept. Biol., Syracuse Univ., Syracuse, NY.*
- 14:45 102 \* Do morphological characteristics correlated with in-flight heart rate and wing-beat frequency vary with arrival date in the Swainson's Thrush? MELISSA S. BOWLIN and MARTIN C. WIKELSKI, *Dept. Ecol. & Evol. Biol., Princeton Univ., Princeton, NJ.*

**Session 4B. Conservation. Sara Kaiser, chair.**

- 13:30 103 Recovery status of the endangered San Clemente Loggerhead Shrike, 1998 - 2004. SUELLEN LYNN, HEATHER A. CARLISLE, NILS WARNOCK, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, ERIC L. KERSHNER, *Inst. Wildl. Stud., San Diego, CA*, JEFF OPDYCKE, *Zool. Soc. San Diego, San Diego, CA*, and M. KELLY BROCK, *U.S. Navy, San Diego, CA.*
- 13:45 104 vacant
- 14:00 105 Factors affecting supplemental food use by San Clemente Loggerhead Shrikes and influences on breeding productivity. SHANE R. HEATH, ERIC L. KERSHNER, *Inst. Wildl. Stud., San Diego, CA*, and SUELLEN LYNN, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA.*
- 14:15 106 Low nest survivorship in a coastal California Warbling Vireo population. ERICA LINDGREN and FRANCIS X. VILLABLANCA, *Dept. Biol., California Poly State Univ., San Luis Obispo, CA.*
- 14:30 107 Conserving the endangered Yellow-breasted Chat: a riparian limited species at the northern limit of its range in the south Okanagan, BC. CHRISTINE A. BISHOP, *Canadian Wildl. Serv., Delta, BC*, TAWNA MORGAN, TONY WILLIAMS, *Simon Fraser*

*Univ., Burnaby, BC, LAURIE CARR, Nelson, BC, LUTZ TISCHENDORF, Elutis Modelling and Consulting Inc., Ottawa, ON, JASON EMERY, Solitudo Environmental Services, and RENE McKIBBIN, Delta, BC.*

14:45 108 Juvenile and adult survival rates in the endangered Hawaiian Stilt. J. M. REED, C. S. ELPHICK and M. D. SILBERNAGLE, *Dept. Biol. Tufts, Univ., Medford, MA.*

**Session 4C. Ecology. Edward H. Burtt, Jr., chair.**

13:30 109 Similarity of repeated samples of plumage microflora of resident birds in Arizona, Ohio and Washington. EDWARD H. BURTT, Jr., *Dept. Zool.*, and VINODKUMAR SARANATHAN, *Dept. Physics and Astronomy, Ohio Wesleyan Univ., Delaware, OH.*

13:45 110 \* Similarity of repeated samples of plumage microflora of short- and long-distance migrants. VINODKUMAR SARANATHAN, *Dept. Physics & Astronomy*, and EDWARD H. BURTT, Jr., *Dept. Zool., Ohio Wesleyan Univ., Delaware, OH.*

14:00 111 \* Population genetics of Pygmy Nuthatches in southern California. THOMAS A. BENSON and ANTHONY E. METCALF, *Dept. Biol., California State Univ. San Bernardino, San Bernardino, CA.*

14:15 112 \* Modeling Mute Swan population dynamics: ecological, economic, ethical considerations. MARTHA ELLIS and CHRIS ELPHICK, *Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT.*

14:30 113 A comparison of home range estimators for Red-cockaded Woodpeckers in Upper Coastal Plain of South Carolina. KATHLEEN E. FRANZREB, *USDA Southern Res. Sta., Southern Appalachian Mts. Coop. Ecosys. Stud. Unit, Dept. For., Wildl. & Fish., Univ. Tennessee., Knoxville, TN.*

14:45 114 Survival consequences of delayed dispersal and the likelihood of breeding in the cooperatively breeding Acorn Woodpecker. JUSTYN T. STAHL, MADAN K. OLI, *Dept. Wildl. Ecol. & Conserv., Univ. Florida, Gainesville, FL*, and WALTER D. KOENIG, *Hastings Res. and Mus. Vert. Zool., Univ. California, Berkeley, Carmel Valley, CA.*

**Session 4D. Ecology. C. Ray Chandler, chair.**

13:30 115 vacant

13:45 116 West Nile virus of little or no consequence on resident bird populations. C. JOAN PATTERSON and DOUGLAS A. JAMES, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR.*

14:00 117 Diet of Henslow's Sparrows wintering in pine savannas in coastal Mississippi. GINA T. FULLER, C. RAY CHANDLER, *Dept. Biol., Georgia Southern Univ., Statesboro, GA*, and MARK S. WOODREY, *Coastal Res. Center, Mississippi State Univ., Moss Point, MS.*

14:15 118 Variation in the abundance, distribution, and habitat associations of passerines wintering in salt marshes in Mississippi. MARK S. WOODREY, *Coastal Res. & Extension Center, Mississippi State Univ., Biloxi, MS*, and ROBERT J. COOPER, *Warnell School For. Res., Univ. Georgia, Athens, GA.*

14:30 119 Edge effects on the use of winter habitat by Boreal Chickadee flocks. ADAM S. HADLEY and ANDRE DESROCHERS, *Centre de recherche en biologie forestière, Université Laval, Québec, QC.*



14:45 120 Density dependent habitat selection by Henslow's sparrows. JAMES R. HERKERT, *The Nature Conservancy, Peoria, IL.*

**Session 4E. Habitat relationships. Nancy LaFleur, chair.**

13:30 121 Habitat as a predictor of hatch synchrony in the Brown-headed Cowbird. CHRISTOPHER M. TONRA, MATTHEW D. JOHNSON, *Dept. Biol., Humboldt State Univ., Arcata, CA*, SACHA K. HEATH, *Point Reyes Bird Observ. Conservation Sci., Bolinas, CA*, and MARK E. HAUBER, *Univ. Auckland, Auckland, New Zealand.*

13:45 122 Changes in bird abundance after wildfire: importance of fire severity and time since fire. RICHARD L. HUTTO and KRISTINA M. SMUCKER, *Avian Sci. Center, Univ. Montana, Missoula, MT.*

14:00 123 Selection of songpost trees by Flammulated Owls in Colorado. ERIC C. PALM, *Dept. Biol., Colorado Coll., Colorado Springs, CO.*

14:15 124 \* Avian community response to riparian area restoration: a novel use of robust design mark-recapture models. TRACEY N. JOHNSON and BRETT K. SANDERCOCK, *Div. Biol., Kansas State Univ., Manhattan, KS.*

14:30 125 \* The influence of spatial context on nest predation risk. ANNA D. CHALFOUN and THOMAS E. MARTIN, *Montana Coop. Wildl. Res. Unit, Univ. Montana, Missoula, MT.*

14:45 126 \* The fruits of success: an examination of the effectiveness of European Starlings as seed dispersers for invasive plants. NANCY LaFLEUR, MARGARET RUBEGA, *Dept. Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT*, and JASON PARENT, *Dept. Nat. Res. Eng. & Manage., Univ. Connecticut.*

**Session 5A. Systematics. F. Keith Barker, chair.**

15:30 127 A framework phylogeny of the parrots (Psittaciformes) derived from mitochondrial coding and nuclear intron sequences. TIMOTHY F. WRIGHT, ERIN E. SCHIRTZINGER, *Dept. Biol., New Mexico State Univ., Las Cruces, NM*, TANIA MATSUMOTO, *Dept. Biologia, Universidade de São Paulo, São Paulo, SP, Brasil*, JESSICA R. EBERHARD, *Dept. Biol., Louisiana State Univ., Baton Rouge, LA*, GARY R. GRAVES, *Natl. Mus. Nat. Hist., Smithsonian Inst., Washington DC*, and ROBERT C. FLEISCHER, *Genetics Prog., Natl. Mus. Nat. Hist.*

15:45 128 Phylogeny of the Sylvioidea from combined RAG-1 and RAG-2 sequences. F. KEITH BARKER, *Bell Mus. Nat. Hist., Univ. Minnesota, St. Paul, MN.*

16:00 129 Phylogenetic relationships and biogeography of New World pygmy owls (Strigiformes: *Glaucidium*). B. R. BARBER, *Bell Mus. Nat. Hist., Univ. Minnesota, St. Paul, MN*, MARK B. ROBBINS, *Nat. Hist. Mus. and Biodiv. Res. Center, Univ. Kansas, Lawrence, KS*, ANDREW W. JONES, *Bell Mus. Nat. Hist.*, and NATHAN H. RICE, *Acad. Nat. Sci., Philadelphia, PA.*

16:15 130 Phylogeographic patterns in the Thrush-like Mourner (*Schiffornis turdina*: Pipridae). ARPAD NYARI, *Nat. Hist. Mus. and Biodiv. Res. Center, Dept. Ecol. & Evol. Biol., Univ. Kansas, Lawrence, KS.*

16:30 131 Morphological variation and its taxonomic significance in the Lava Heron of the Galápagos Islands. FLOYD E. HAYES and RYAN T. STEPHENS, *Dept. Biol., Pacific Union Coll., Angwin, CA.*

- 16:45 132 Speciation in birds of paradise. J. CRACRAFT, *Am. Mus. Nat. Hist., New York, NY.*
- 17:00 133 Plumage pattern and coloration as correlates of avian morphology. MARK F. RIEGNER, *Environ. Stud. Prog., Prescott Coll., Prescott, AZ.*
- 17:15 134 Molecular phylogenetics of the Neotropical trogons (genus: *Trogon*): exploring patterns of evolution and diversification. JEFFREY M. DaCOSTA and JOHN KLICKA, *Marjorie Barrick Mus., Las Vegas, NV.*

**Session 5B. Conservation. R. Michael Erwin, chair.**

- 15:30 135 Raptor poisonings in southwestern British Columbia: lessons for species conservation elsewhere. JOHN E. ELLIOTT, LAURIE K. WILSON, *Canadian Wildl. Serv., Delta, BC,* and KYLE H. ELLIOTT, *Univ. British Columbia, Vancouver, BC.*
- 15:45 136 Effects of patch size and treatment method on early-successional birds in managed shrublands in New Hampshire. RICHARD B. CHANDLER, DAVID I. KING and CARLIN C. CHANDLER, *Dept. Nat. Res. Conserv., Univ. Massachusetts, Amherst, MA.*
- 16:00 137 Call-broadcast increases probability of detecting Band-tailed Pigeons during surveys. CHRIS KIRKPATRICK, KATIE M. HUGHES, *School Nat. Res., Univ. Arizona, Tucson, AZ,* COURTNEY J. CONWAY, *USGS Arizona Coop. Fish & Wildl. Res. Unit, Tucson, AZ,* and JAMES C. DeVOS, Jr., *Arizona Game and Fish Dept., Phoenix, AZ.*
- 16:15 138 The managed boreal forest in Quebec: a good habitat for Spruce Grouse? DELPHIN RUCHE, LOUIS IMBEAU, *Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda, QC,* and JEAN FERRON, *Université du Québec à Rimouski, Rimouski, QC.*
- 16:30 139 Bird communities in the South-East Himalayan and northern Burma foothills – what do we know? SWEN C. RENNER and JOHN H. RAPPOLE, *Conserv. & Res. Ctr, Smithsonian Inst., Front Royal, VA.*
- 16:45 140 Wetland restoration and birds: lessons from Florida, San Francisco Bay, and Chesapeake Bay. R. MICHAEL ERWIN, *USGS Patuxent Wildl. Res. Ctr., Dept. Envir. Sci., Univ. Virginia, Charlottesville, VA,* and PETER C. FREDERICK, *Dept. Wildl. Ecol. & Conserv., Univ. Florida, Gainesville, FL.*
- 17:00 141 The effects of fire on the Cape Sable Seaside Sparrow. DAVID A. LA PUMA, JULIE L. LOCKWOOD and MICHELLE J. DAVIS, *Dept. Ecol. & Evol., Rutgers Univ., New Brunswick, NJ.*
- 17:15 142 Nest placement in Western Snowy Plovers: can your neighbor lend a hand? KRISTA A. FAHY, *Dept. Ecol. Evol. & Marine Biol., Univ. California - Santa Barbara, Santa Barbara, CA.*

**Session 5C. Ecology. Sarah C. Coulter, Chair**

- 15:30 143 Qualitative and quantitative contributions of generalist and specialist frugivores to wax myrtle (*Myrica cerifera*) recruitment on Assateague Island. E. GARRETT LOWE, *Dept. Biol., Univ. Maryland, College Park, MD.*
- 15:45 144 \* Patterns of nest predation risk along a tropical altitudinal gradient. A. BOYLE, *Dept. Ecol. & Evol. Biol., School Nat. Res., Univ. Arizona, Tucson, AZ.*
- 16:00 145 \* The locust outbreak on Socorro Island: a devastating example of a disrupted avian

trophic cascade. JUAN E. MARTINEZ-GOMEZ, *Dept. Biol., Univ. Missouri - Saint Louis, Saint Louis MO and Island Endemics Foundation, San Francisco CA.*

- 16:15 146 \* Molt and fall migration ecology of the Harlequin Duck along the Gaspé Peninsula, Canada. ANNIE LANGLOIS, GILLES GAUTHIER, *Dept. Biol., Laval Univ., Québec, QC*, MICHEL ROBERT and JEAN-PIERRE L SAVARD, *Canadian Wildl. Serv., Québec, QC.*
- 16:30 147 \* Cardinals and West Nile virus: patterns and consequences. JAMES S. MARSHALL, *Dept. Evol., Ecol. & Organ. Biol., Ohio State Univ., Columbus, OH.*
- 16:45 148 \* Surveying for the Greater Roadrunner, a cryptic and low-density species, in fragmented southern California habitat patches. MARK B. MENDELSON, DOUGLAS H. DEUTSCHMAN, *Dept. Biol., San Diego State Univ., San Diego, CA*, and ROBERT N. FISHER, *U.S. Geol. Surv., Western Ecol. Res. Ctr., San Diego, CA.*
- 17:00 149 \* Locally adaptive bill morphology in Mexican Jays on an elevation gradient. JOHN E. McCORMACK, *Dept. Ecol. & Evol. Biol., Univ. California, Los Angeles, CA.*
- 17:15 150 \* Wood Thrush density, home ranges and movements in relation to forest management in the Atchafalaya Basin, Louisiana. SARAH C. COULTER, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR*, DAVID G. KREMENTZ, *USGS, Arkansas Coop. Fish & Wildl. Res. Unit, Dept. Biol. Sci., Univ. Arkansas*, LARKIN A. POWELL, *School Nat. Res., Univ. Nebraska, Lincoln, NE*, and KENNETH F. RIBBECK, *Louisiana Dept. Wildl. & Fish., Baton Rouge, LA.*

**Session 5D. Breeding biology. Susan J. Hannon, chair.**

- 15:30 151 Provisioning rules, begging patterns and the transition to fledgling independence in American Dippers. HOLLY A. MIDDLETON, DAVID J. GREEN and ELIZABETH A. KREBS, *Dept. Biol. Sci., Simon Fraser Univ., Burnaby, BC.*
- 15:45 152 Maternal effects in Wood Ducks: incubation temperature influences incubation period and neonate phenotype. GARY R. HEPP, *School For. & Wildl. Sci., Auburn Univ., AL*, ROBERT A. KENNAMER, *Savannah River Ecol. Lab., Aiken, SC*, and MARIBETH H. JOHNSON, *Office Biostat., Medical Coll. Georgia, Augusta, GA.*
- 16:00 153 Reproductive source/sink dynamics of American Redstarts in an agricultural matrix. SUSAN J. HANNON, *Dept. Biol. Sci., Univ. Alberta, Edmonton, AB.*
- 16:15 154 Interrelationships between territory density and breeding success of Ovenbirds. BRADY J. MATTSSON, *Warnell School For. Res., Univ. Georgia, Athens, GA*, and GERALD J. NIEMI, *Univ. Minnesota, Duluth, MN.*
- 16:30 155 Rapid reproductive response of male Rufous-winged Sparrows to increased rainfall: a role for termites? THOMAS W. SMALL, PIERRE DEVICHE, *School Life Sci., Arizona State Univ., Tempe, AZ*, and PETER SHARP, *Roslin Inst., Edinburgh, Scotland.*
- 16:45 156 Population biology of Long-billed Curlews breeding in northeastern Nevada. C. ALEX HARTMAN, and LEWIS W. ORING, *Prog. Ecol., Evol. & Conserv. Biol., Univ. Nevada Reno, Reno, NV.*
- 17:00 157 Diet quality influences breeding performance in Florida Scrub-Jays. REED BOWMAN, *Archbold Biol. Stn., Lake Placid, FL*, STEPHEN J. SCHOECH, *Univ. Memphis, TN*, and S. JAMES REYNOLDS, *Univ. Birmingham, UK.*

- 17:15 158 Sex-specific oocyte competition as a constraint on sex-ratio adjustment: comparison of native and recently expanded populations of House Finches. ALEXANDER V. BADYAEV and KEVIN P. B. OH, *Ecol. & Evol. Biol., Univ. Arizona, Tucson, AZ.*

**Session 5E. Evolution. Matthew D. Shawkey, chair.**

- 15:30 159 \* Combining genetics and stable isotopes to infer migratory connectivity of Loggerhead Shrikes wintering in Mexico. GUILLERMO E. PÉREZ, *Dept. Biol., Univ. Saskatchewan, Saskatoon, SK*, and KEITH.A. HOBSON, *Dept. Biol., Univ. Saskatchewan and Canadian Wildl. Serv., Saskatoon, SK.*
- 15:45 160 \* Aggressive behavior affects selection on morphology by determining the environment of breeding in a passerine bird. RENEE A. DUCKWORTH, *Biol. Dept., Duke Univ., Durham, NC.*
- 16:00 161 \* Historical biogeography of *Gallirallus* rails in Oceania inferred from mtDNA sequence data. JEREMY J. KIRCHMAN, *Dept. Zool., Univ. Florida, Gainesville, FL.*
- 16:15 162 The evolution of iridescent plumage color. MATTHEW D. SHAWKEY, *Dept. Biol. Sci., Auburn Univ., Auburn, AL*, MARK E. HAUBER, *Ecol., Evol. & Behav. Res. Group, School Biol. Sci., Univ. Auckland, Auckland, New Zealand* and Mus. Vert. Zool., *Dept. Integrative Biol., Univ. California, Berkeley, CA*, LAURA K. ESTEP and GEOFFREY E. HILL, *Dept. Biol. Sci., Auburn Univ.*
- 16:30 163 \* Distribution of ultraviolet sensitivity in the Passeriformes. PAUL ZWIERS, *Dept. Biol., Univ. Maryland, College Park, MD*, and *Genetics Prog., Smithsonian Inst., Washington, DC*, GERALD BORGIA, *Dept. Biol., Univ. Maryland*, and ROBERT FLEISCHER, *Genetics Prog., Smithsonian Inst., and Dept. Biol., Univ. Maryland.*
- 16:45 164 Patterns of threat and endemism in global biodiversity hotspots of avian species richness. C. DAVID L. ORME, *Div. Biol., Imperial Coll. London, Silwood Park, UK*, RICHARD G. DAVIES, *Dept. Animal & Plant Sci., Univ. Sheffield, UK*, MALCOLM BURGESS, FELIX EIGENBROD, NICOLA PICKUP, *Div. Biology, Imperial Coll. London*, VALERIE OLSON, *Zool. Soc. London, London, UK*, ANDREA J. WEBSTER, *School Biosci., Univ. Birmingham, UK*, TZUNG-SU DING, *School Forestry & Res. Conserv., National Taiwan Univ., Taiwan*, PAMELA C. RASMUSSEN, *Michigan State Univ. Mus. & Dept. Zool., East Lansing, MI*, ROBERT S. RIDGELY, *Acad. Nat. Sci, Philadelphia, PA*, ALI J. STATTERSFIELD, *BirdLife Internatl., Cambridge, UK*, PETER M. BENNETT, *Zool. Soc. London*, TIM M. BLACKBURN, *School Biosci., Univ. Birmingham*, KEVIN J. GASTON, *Dept. Animal & Plant Sci., Univ. Sheffield, UK*, and IAN P. F. OWENS, *Div. Biol., Imperial Coll. London.*
- 17:00 165 \* Molecular phylogenetics and comparative phylogeography shed light on the role of competition in the origin and maintenance of altitudinal distributions of *Buarremon* brush-finches (Emberizinae). CARLOS DANIEL CADENA, *Dept. Biol., Univ. Missouri, St. Louis, MO*, JOHN KLICKA, *Barrick Mus., Univ. Nevada, Las Vegas, NV*, and BETTE A. LOISELLE, *Dept. Biol., Univ. Missouri, St. Louis, MO.*
- 17:15 166 \* How does jaw flexion contribute to insectivorous feeding performance in hummingbirds? GREGOR M. YANEGA and MARGARET A. RUBEGA, *Dept. Ecol. & Evol. Biol, Univ. Connecticut, Storrs, CT.*

**SATURDAY, 27 August 2005**

For general paper sessions

“A” sessions held in MCC Theatre

"B" sessions held in Corwin West  
"C" sessions held in Corwin East  
"D" sessions held in Flying A Room

**Session 6A. Migration. Jessica L. Griffiths, chair.**

- 08:30 167 Comparison of species distribution and habitat use during stopover on two islands in the Gulf of Maine. REBECCA SUOMALA, KIMBERLY BABBITT, *Nat. Res. Dept., Univ. New Hampshire, Durham, NH*, and SARA MORRIS, *Biol. Dept., Canisius Coll., Buffalo, NY*.
- 08:45 168 The effect of global warming on partial migration - the Blue Tit paradox. ANNA L. K. NILSSON and ÅKE LINDSTRÖM, *Animal Ecology, Lund Univ., Sweden*.
- 09:00 169 Evaluating the effectiveness of AFLP analysis for linking breeding and wintering populations of migratory songbirds. ELENA C. BERG, JOHN P. POLLINGER and THOMAS B. SMITH, *Center for Tropical Res., Univ. California, Los Angeles, CA*.
- 09:15 170 Foraging distribution and behavior of Hawaiian albatrosses. MICHELLE ANTOLOS, SCOTT A. SHAFFER, YANN TREMBLAY, DANIEL P COSTA, PATRICK W. ROBINSON, *Ecol. & Evol. Biol., Univ. California, Santa Cruz, CA*, JILL A. AWKERMAN, and DAVID J. ANDERSON, *Dept. Biol., Wake Forest Univ., Winston-Salem, NC*.
- 09:30 171 Composition and structure of mixed-species foraging flocks in central coastal California during fall migration. JESSICA L. GRIFFITHS, NELLIE THORNGATE, *Ventana Wilderness Society, Big Sur, CA*, and JASON W. SCOTT, *Lafayette, CA*.

**Session 6B. Conservation. Jerome A. Jackson, chair.**

- 08:30 172 The effects of human and environmental stressors on White-crowned Sparrow corticosterone levels and reproductive success. MATTHEW S. DIETZ, *School Nat. Res. & Environ., Univ. Michigan, Ann Arbor, MI*.
- 08:45 173 Avian collisions with communication towers: comparing tower lighting systems, tower support systems, and tower height categories. JOELLE GEHRING, *Dept. Biol., Central Michigan Univ., Mount Pleasant, MI*, PAUL KERLINGER, *Curry & Kerlinger, Cape May Point, NJ*, and ALBERT MANVILLE, II, *U.S. Fish & Wildl. Serv., Div. Migratory Bird Manage., Arlington, VA*.
- 09:00 174 Population trends of North American sea ducks as revealed by the Christmas Bird Count. DANIEL K. NIVEN, *Audubon, Illinois Nat. Hist. Surv., Champaign, IL*, JOHN R. SAUER, *USGS Patuxent Wildl. Res. Cent., Laurel, MD*, and GREGORY S. BUTCHER, *Audubon, Washington, DC*.
- 09:15 175 New Avian Science Center takes flight at the University of Montana. RICHARD L. HUTTO, *Avian Science Center, Univ. Montana, Missoula, MT*.
- 09:30 176 Science in art: the contributions of George Miksch Sutton. JEROME A. JACKSON, *Whitaker Center, Florida Gulf Coast Univ., Ft. Myers, FL*.

**Session 6C. Breeding biology. Mary Whitfield, chair.**

- 08:30 177 Meta-analysis of the effects of experimental manipulation of condition on the expression of melanin and carotenoid-pigmented signals. TIMOTHY H. PARKER, *Div. Biol., Kansas State Univ., Manhattan, KS*, SIMON C. GRIFFITH, *School Biol., Earth & Environ. Sci., Univ. New South Wales, Sydney, Australia*, and VALÉRIE A. OLSON, *Inst. Zool., Zool. Soc. London, London, UK*.

- 08:45 178 Breeding biology of the Northern Beardless-Tyrannulet in the Lower Rio Grande Valley, Texas. SCOTT M. WERNER and SALLIE J. HEJL, *Dept. Wildl. & Fish. Sci., Texas A&M Univ., College Station, TX.*
- 09:00 179 Variation of MHC class IIB genes and mate choice in the Red-billed Gull. NICOLA L. CHONG, *Dept. Zool., Univ. Toronto, and Royal Ontario Mus., Toronto, ON*, JAMES A. MILLS, *Corning, NY*, and ALLAN J. BAKER, *Royal Ontario Mus.*
- 09:15 180 Intensity of sexual selection on islands: structural plumage coloration and sexual dichromatism in Island Scrub-Jays. KATHLEEN S. DELANEY, *Dept. Ecol. & Evol. Biol., Univ. California Los Angeles, Los Angeles, CA*, CHARLES COLLINS, *Dept. Biol., California State Univ. Long Beach, CA*, MARY JO ELPERS, *Dept. Fish & Game, Reno, NV*, GREGORY F. GREYER and ROBERT K. WAYNE, *Dept. Ecol. & Evol. Biol., Univ. California Los Angeles.*
- 09:30 181 Violet-green Swallow versus Tree Swallow breeding-site adaptations. ROBERT R. COHEN, *Dept. Biol., Metropolitan State Coll. Denver, Denver, CO*, and IRIT COHEN, *Denver, CO.*

**Session 6D. Evolution. Pamela C. Rasmussen, Chair.**

- 08:30 182 Subspecific differentiation and conservation of Least Terns inferred by microsatellite DNA. HOPE M. DRAHEIM and SUSAN M. HAIG, *USGS FRESO, Corvallis, OR.*
- 08:45 183 Sexual selection by sensory drive in manakins from the *Corapipo - Ilicura* clade: a comparative test. MARINA ANCIAES, *Nat. Hist. Mus. and Biodiv. Res. Center, Univ. Kansas, Lawrence, KS*, and RICHARD O. PRUM, *Peabody Mus. Nat. Hist., Yale University, New Haven, CT.*
- 09:00 184 The impact of scientific fraud on South Asian ornithology, and the importance of specimens for fraud detection. PAMELA C. RASMUSSEN, *Michigan State Univ. Mus. & Dept. Zool., East Lansing, MI*, and ROBERT P. PRYS-JONES, *Bird Group, Dept. Zool., Nat. Hist. Mus., Tring, UK.*
- 09:15 185 The evolution of context-dependent biparental investment strategies: collaboration or conflict? KEVIN P. OH and ALEXANDER V. BADYAEV, *Dept. Ecol. & Evol. Biol., Univ. Arizona, Tucson, AZ.*
- 09:30 186 Unusual plumage traits and extra-pair paternity in the Red-backed Fairy-Wren (*Malurus melanocephalus*). CLAIRE W. VARIAN, MICHAEL S. WEBSTER, *School Biol. Sci., Washington State Univ., Pullman, WA*, and JORDAN KARUBIAN, *Inst. Environ., Univ. California Los Angeles, Los Angeles, CA.*

**Session 7A. Migration. Karen Steenhof, chair.**

- 10:15 187 vacant
- 10:30 188 Latitude of prebasic molt in Swainson's Warblers based on hydrogen isotope ratios in contour feathers. DOUGLAS A. JAMES, *Dept. Biol. Sciences., Univ. Arkansas, Fayetteville, AR*, and MIA R. REVELS, *Biol. Dept., Northeastern State Univ., Tahlequah, OK.*
- 10:45 189 A habitat suitability model for Buff-breasted Sandpipers during migration in an agricultural landscape. JOEL G. JORGENSEN, JOHN P. McCARTY and L. LAREESA WOLFENBARGER, *Dept. Biol., Univ Nebraska at Omaha, Omaha, NE.*

- 11:00 190 Population estimates and priority landscapes for en route shorebirds. SUSAN K. SKAGEN, *U.S. Geol. Surv., Ft. Collins, CO*, and DIANE GRANFORS, *U.S. Fish & Wildl. Serv., Fergus Falls, MN*.
- 11:15 191 Wind displacement of spring trans-Gulf migrants in relation to air speeds of migrants. SIDNEY A. GAUTHREAU, TRAVIS W. CROOK and CARROLL G. BELSER, *Dept. Biol. Sci., Clemson Univ., Clemson, SC*.
- 11:30 192 Spring stopover and fat acquisition by migrant songbirds in the Sierra de Los Tuxtlas, Veracruz, Mexico. DAVID W. SHAW and KEVIN WINKER, *Univ. Alaska Mus., Fairbanks, AK*.
- 11:45 193 Long-range movements and breeding dispersal of Prairie Falcons from southwest Idaho. KAREN STEENHOF, MARK R. FULLER, MICHAEL N. KOCHERT, *U.S. Geol. Survey, For. & Range. Ecosys. Sci. Ctr., Snake River Field Sta., Boise, ID*, and KIRK K. BATES, *Raptor Res. Ctr., Boise State Univ., Boise, ID*.
- 12:00 194 Plasma lipid metabolites and refueling performance of Semipalmated Sandpipers at migratory stopovers. JAMES E. LYONS, *USGS Patuxent Wildl. Res. Ctr., Laurel, MD*, JAIME A. COLLAZO, *USGS North Carolina Coop. Res. Unit, North Carolina State Univ., Raleigh, NC*, and CHRIS GUGLIELMO, *Dept. Biol., Univ. Western Ontario, London, ON*.
- 12:15 195 vacant

**Session 7B. Habitat relationships. Patricia L. Kennedy, chair.**

- 10:15 196 Landscape-scale habitat use by landbirds during migratory stopover near an ecological barrier. JEFFREY J. BULER, FRANK R. MOORE and ROBERT H. DIEHL, *Dept. Biol. Sci., Univ. Southern Mississippi, Hattiesburg, MS*.
- 10:30 197 Spatial and temporal variation in avifaunal response to burn severity in southwestern montane forests. NATASHA B. KOTLIAR, *USGS, Ft. Collins, CO*, PATRICIA L. KENNEDY, *Eastern Oregon Agri. Res. Ctr., Oregon State Univ., Union, OR*, and KIMBERLY FERREE, *USGS, Ft. Collins, CO*.
- 10:45 198 Effects of lakeshore development on Common loon reproductive success in the Adirondack State Park, New York. CAROLYN A. SPILMAN, WILLIAM F. PORTER, *SUNY Coll. Environ. Sci. & Forestry, Syracuse, NY*, and NINA SCHOCH, *Adirondack Coop. Loon Program, Ray Brook, NY*.
- 11:00 199 Habitat selection by Phainopeplas at multiple temporal and spatial scales: the variable influence of food resources. L. H. CRAMPTON, *Dept. Biol., Univ. Nevada Reno, Reno, NV*, and H. Y. T.LIANG, *Dept. Biol. Sci., Univ. Nevada Las Vegas, Las Vegas, NV*.
- 11:15 200 Effects of forest structural retention harvest on resource availability and habitat utilization of Brown Creepers. MARIA MAYRHOFER, DAVID A. MANUWAL, *Dept. Wildl. Sci., Univ. Washington, Seattle, WA*, and JURAJ HALAJ, *Cascadian Inc., Corvallis, OR*.
- 11:30 201 Abundance patterns of sagebrush obligate passerines in western North America. CORTNIE M KRISMAN and DAN EDGE, *Dept. Fish. & Wildl., Oregon State Univ., Corvallis, OR*.
- 11:45 202 Stable isotopes solve ornithological mystery: the winter range of the Coastal Plain Swamp Sparrow revealed! RUSSELL GREENBERG, *Smithsonian Migratory Bird Ctr, Natl. Zool. Park, Washington, DC*, PETER MARRA, *Smithsonian Environ. Res. Ctr, Edgewater, MD*, and MATTHEW WOOLLER, *Water & Alaska Stable Isotope Facility*,

*Water & Environ. Res. Ctr., Inst. Marine Sci., Univ. Alaska Fairbanks, Fairbanks, AK.*

- 12:00 203 Distribution of riparian bird species in an urbanizing landscape. AMBER S. ONEAL and JOHN T. ROTENBERRY, *Dept. Biol. and Center Conserv. Biol., Univ. California, Riverside, CA.*
- 12:15 204 Do flood-associated habitat changes affect habitat occupancy by Swainson's Warblers? THOMAS J. BENSON, JAMES C. BEDNARZ and JEREMY D. BROWN, *Dept. Biol. Sci., Arkansas State Univ., State University, AR.*

**Session 7C. Behavior. Ken Dial, chair.**

- 10:15 205 Paternity and parental care in American Robins. KAREN M. CAVEY and PATRICK J. WEATHERHEAD, *Prog. Ecol. & Evol. Biol., Univ. Illinois at Urbana-Champaign, Champaign, IL.*
- 10:30 206 Prospecting and habitat selection by Yellow-headed Blackbirds. MICHAEL P. WARD, *Illinois Nat. Hist. Surv., Champaign, IL.*
- 10:45 207 Network models for social relationships in lek-mating manakins. DAVID B. McDONALD, *Dept. Zool., Univ. Wyoming, Laramie, WY.*
- 11:00 208 Relationship between neophobia, ecological plasticity and migration in blackbird species. C. METTKE-HOFMANN and R. GREENBERG, *Smithsonian Migratory Bird Ctr, Natl. Zool. Park, Washington, DC.*
- 11:15 209 Evolution of avian flight: WAIR in Australia. KEN DIAL, *Div. Biol. Sci., Univ. Montana, Missoula, MT.*
- 11:30 210 Mating strategies of the Australian Magpie (*Gymnorhina tibicen*): inbreeding avoidance or 'good genes'? KATE L. DURRANT, *Genetics Prog., Natl. Zool. Park, Washington, DC,* and JANE M. HUGHES, *Australian School Environ. Stud., Griffith Univ., Brisbane, Queensland, Australia.*
- 11:45 211 Frequency and patterns of conspecific brood parasitism in a highly precocial duck. LETITIA M. REICHART and MICHAEL S. WEBSTER, *School Biol. Sci., Washington State Univ., Pullman, WA.*
- 12:00 212 The biomechanics of the Napoleon complex of little birds. B. E. JACKSON and K. P. DIAL, *Div. Biol. Sci., Univ. Montana, Missoula, MT.*
- 12:15 213 Singing in the shade: Northern Cardinals and American Robins sing from less exposed locations when near nesting Cooper's Hawks. PETER A. BEDNEKOFF, WILLIAM J. DUNCAN and MARK RACHAL, *Dept. Biol., Eastern Michigan Univ., Ypsilanti, MI.*

**Session 7D. Breeding biology. Michael T. Murphy, chair.**

- 10:15 214 Daily survival probabilities of fledgling Black-throated Blue Warblers. LAURA R. NAGY, *U.S. EPA, Corvallis, OR,* T. SCOTT SILLETT, *Smithsonian Migratory Bird Ctr, Natl. Zool. Park, Washington, DC,* MATTHEW DAVIS, *Environment Maine, Portland, ME,* and RICHARD T. HOLMES, *Dept. Biol. Sci., Dartmouth Coll. Hanover, NH.*
- 10:30 215 Nutrient acquisition and allocation by female Harlequin Ducks in relation to migration and reproduction. JEANINE C. BOND, DAN ESLER, *Centre Wildl. Ecol., Dept. Biol. Sci., Simon Fraser Univ., BC,* and KEITH A. HOBSON, *Canadian Wildl. Serv., Saskatoon, SK.*



- 10:45 216 Life at the edge: the reproductive ecology of Eastern Kingbirds in the Great Basin Desert. MICHAEL T. MURPHY, A. C. DOLAN, L. J. REDMOND and K. SEXTON, *Dept. Biol., Portland State Univ., Portland, OR.*
- 11:00 217 Variation in recruitment of Black Brant among brood rearing areas. CHRISTOPHER A. NICOLAI, *Prog. Ecol., Evol. & Conserv. Biol., Univ. Nevada Reno, Reno, NV*, and JAMES S. SEDINGER, *Nat. Res. & Environ. Sci., Univ. Nevada Reno, Reno, NV.*
- 11:15 218 Nest site microclimate and the cost of incubation in Orange-crowned Warblers. SUSANA I. PELUC, *Biol. Dept., Univ. California-Riverside, Riverside, CA*, T. SCOTT SILLETT, *Migratory Bird Ctr, Smithsonian Inst., DC*, and JOHN R. ROTENBERRY, *Biol. Dept., Univ. California-Riverside.*
- 11:30 219 It's gettin' hot in here: why a warming trend in the northern Bering Sea spells trouble for Least and Crested Auklets. L. M. SHEFFIELD, D. D. ROBY, A. E. GALL, I. C. ROSE, *USGS-Oregon Coop. Fish & Wildl. Res. Unit, Oregon State Univ., Corvallis, OR*, and D. B. IRONS, *U.S. Fish & Wildl. Serv. - MBM, Anchorage, AK.*
- 11:45 220 Reproductive success, philopatry, and predation of Prairie Warblers, Blue-winged Warblers, Indigo Buntings, and Field Sparrows in declining scrub successional habitat in Connecticut. CHRISTY A. MELHART and KIMBERLY G. SMITH, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR.*
- 12:00 221 Nests out of water: strategies for success in a flooding environment. CARINA GJERDRUM, CHRIS ELPHICK and MARGARET RUBEGA, *Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT.*
- 12:15 222 Nesting habitat of Warbling Vireos in the southern Sierra Nevada. KATHRYN L. PURCELL, *Pacific Southwest Res. Sta., Sierra Nevada Res. Center, Fresno, CA.*

**Session 8A. Systematics. Jose G. Tello, chair.**

- 13:30 223 Molecular phylogenetics of the tyrant flycatchers. JOSE G. TELLO, DANIEL J. MARCHESE, ROBERT G. MOYLE and JOEL CRACRAFT, *Dept. Ornith., Am. Mus. Nat. Hist., New York, NY.*
- 13:45 224 Song divergence and sympatry among taxa of the Spotted Bush-warbler *Bradypterus thoracicus* complex. PER ALSTRÖM, *Dept. Syst. Zool., Uppsala Univ., Uppsala, Sweden*, URBAN OLSSON, *Dept. Zool., Univ. Göteborg, Göteborg, Sweden*, PAMELA C. RASMUSSEN, *Michigan State Univ. Mus. & Dept. Zool., Michigan State Univ., East Lansing, MI*, and PER SUNDBERG, *Dept. Zool., Univ. Göteborg.*
- 14:00 225 Molecular phylogenetics and historical biogeography of the piculets (Picumninae: Picidae). BRETT W. BENZ, MARK B. ROBBINS and A. TOWNSEND PETERSON, *Nat. Hist. Mus., Univ. Kansas, Lawrence, KS.*
- 14:15 226 Molecular phylogenies and historical biogeography in four parrot genera: diversification patterns in the Neotropical region. CAMILA C. RIBAS, *Dept. Ornithol., Am. Mus. Nat. Hist., New York, NY.*
- 14:30 227 Rapid speciation and evolution of migration in North American songbirds driven by a recent postglacial expansion. BORJA MILA, JOHN E. McCORMACK, GABRIELA CASTANEDA, THOMAS B. SMITH and ROBERT K. WAYNE, *Dept. Ecol. & Evol. Biol., Univ. California, Los Angeles, CA.*
- 14:45 228 Molecular evolutionary properties of gene regions used in the Early Bird project.

REBECCA KIMBALL, *Univ. Florida, Gainesville, FL*, SHANNON HACKETT, *Field Mus., Chicago, IL*, EDWARD BRAUN, *Univ. Florida*, MICHAEL BRAUN, *Natl. Mus. Nat. Hist., Washington, DC*, JOHN HARSHMAN, *Field Mus.*, WILLIAM MOORE, *Wayne State Univ., Detroit, MI*, FRED SHELDON, *Louisiana State Univ., Baton Rouge, LA*, DAVID STEADMAN, *Univ. Florida*, RAURI BOWIE, *Field Mus.*, JENA CHOJNOWSKI, *Univ. Florida*, KIN-LAN HAN, *Natl. Mus. Nat. Hist.*, CHRIS HUDDLESTON, *Natl. Mus. Nat. Hist.*, BEN MARKS, *Louisiana State Univ.*, KATHLEEN MIGLIA, *Wayne State Univ.*, CHRIS WITT, *Louisiana State Univ.*, and TAMAKI YURI, *Natl. Mus. Nat. Hist.*

**Session 8B. Population biology. Theodore R. Simons, chair.**

- 13:30 229 Pleistocene glaciations and genetic differentiation across a migratory divide. MICHAEL WEBSTER, LESLIE DAVIS and ERIC ROALSON, *School Biol. Sci., Washington State Univ., Pullman, WA*.
- 13:45 230 Experimental analysis of detection probabilities on avian point count censuses. THEODORE R. SIMONS, *USGS Coop. Fish & Wildl. Res. Unit, Dept. Zool., North Carolina State Univ., Raleigh, NC*, KEN POLLOCK, MAT ALLDREDGE, *Dept. Statistics, Biomath. and Dept. Zool., North Carolina State Univ.*, and KRISHNA PACIFICI, *Dept. Zool., North Carolina State Univ.*
- 14:00 231 Factors affecting detection probabilities of point count surveys. MATHEW W. ALLDREDGE, KENNETH H. POLLOCK and THEODORE R. SIMONS, *Dept. Zool., North Carolina State Univ., Raleigh, NC*.
- 14:15 232 Estimating detection distance to birds detected by song. MATHEW W. ALLDREDGE, KENNETH H. POLLOCK and THEODORE R. SIMONS, *Coop. Fish & Wildl. Res. Unit, North Carolina State Univ., Raleigh, NC*.
- 14:30 233 Nest survival of the Black-headed Grosbeak in a riparian restoration context. STACY L. SMALL, *Div. Biol. Sci., Univ. Missouri-Columbia, Columbia, MO*, FRANK R. THOMPSON, III, *USDA Forest Serv., Columbia, MO*, WILLIAM DIJAK, *Dept. Forestry, Univ. Missouri-Columbia*, GEOFFREY R. GEUPEL, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, and JOHN R. FAABORG, *Div. Biol. Sci., Univ. Missouri-Columbia*.
- 14:45 234 The value of predicting variation in distribution and abundance of birds using data-mining and machine learning techniques. D. FINK, W. HOCHACHKA, M. RIEDEWALD and S. KELLING, *Lab. Ornithol., Cornell Univ., Ithaca, NY*.

**Session 8C. Conservation. Helen F. James, chair.**

- 13:30 235 An evaluation of the contribution of cultivated allspice (*Pimenta dioca*) to avian conservation in Nicaragua. DAVID I. KING, *Northeastern Res. Sta., USDA For. Serv., Univ. Massachusetts, Amherst, MA*, MARTIN D. HERNANDEZ-MAYORGA, *Cooperativa CoopeSiuna, Siuna, Nicaragua*, RICHARD TRUBEY, RAUL RAUDALES, *Mesoamerican Develop. Inst., Lowell, MA*, and JOHN H. RAPPOLE, *Smithsonian Conserv. & Res. Ctr, Front Royal, VA*.
- 13:45 236 Horseshoe crab eggs determine Red Knot distribution in Delaware Bay habitats. SARAH M. KARPANTY and JAMES D. FRASER, *Dept. Fish. & Wildl. Sci., Virginia Tech, Blacksburg, VA*.
- 14:00 237 Abnormalities in passerine birds in northeastern Arkansas agricultural fields. JANE O. ANFINSON, JAMES C. BEDNARZ and JAIMIE CONRAD, *Dept. Biol., Arkansas State Univ., Jonesboro AR*.

- 14:15 238 Temporal and latitudinal variation in Northern Bobwhite population dynamics. TRAVIS H. FOLK, *Alabama Coop. Fish & Wildl. Res. Unit and School For. & Wildl. Sci., Auburn Univ., AL*, JAMES B. GRAND, *U.S.G.S. Alabama Coop. Fish & Wildl. Res. Unit, Auburn Univ., AL*, and RANDALL R. HOLMES, *Dept. Math., Auburn Univ.*
- 14:30 239 Using GIS and remotely sensed data to study seasonal movements of *Procnias tricarunculata*, a tropical frugivorous bird. MONICA PAPES, *Nat. Hist. Mus. and Biodiv. Res. Center, Dept. Ecol. & Evol. Biol., Univ. Kansas, Lawrence, KS.*
- 14:45 240 The paleoecology of endangered Hawaiian forest birds: Palila and Po'ouli. HELEN F. JAMES, *Bird Division, Natl. Mus. Nat. Hist., Smithsonian Inst., Washington, DC*, JONATHAN P. PRICE, *Dept. Botany, Natl. Mus. Nat. Hist.*, and STORRS L. OLSON, *Bird Division, Natl. Mus. Nat. Hist.*

**Session 8D. Ecology. Catherine P. Ortega, chair.**

- 13:30 241 Habitat selection of Neotropical migrant birds during the pre-migratory period. CARLIN C. CHANDLER, DAVID I. KING and RICHARD B. CHANDLER, *Dept. Nat. Res. Con., Univ. Massachusetts, Amherst, MA.*
- 13:45 242 Use of coastal and alternative habitats by Western Sandpiper in Ensenada de La Paz, Baja California Sur, Mexico. LORENA MORALES-GOPAR, *Depto. Pesq. y Biol. Mar., CICIMAR-IPN, La Paz, Baja California Sur, Mexico*, and ROBERTO CARMONA, *Depto. Biol. Mar., Univ. Aut. Baja California Sur, La Paz, Baja California Sur, Mexico.*
- 14:00 243 Effects of cattle grazing on nesting birds in riparian and upland pastures in southwestern Colorado. CATHERINE P. ORTEGA and JOSEPH C. ORTEGA, *Dept. Biol., Ft. Lewis Coll., Durango, CO.*
- 14:15 244 Seasonal changes in bird populations in lowland coniferous forests, western Washington. D. A. MANUWAL and N. A. PALAZZOTTO, *Coll. Forest Res., Univ. Washington, Seattle, WA.*
- 14:30 245 Density and nest survival of *Aphrastura spinicauda* (Furnariidae) in southern South American temperate rainforests: habitat fragmentation or habitat deterioration effects? CINTIA CORNELIUS, *Dept. Biol., Univ. Missouri-St. Louis, St. Louis, MO.*
- 14:45 246 Evaluating the fatty acid signature technique for study of diet composition in piscivorous birds: insights from captive feeding trials. ANNE MARY MYERS, DANIEL D. ROBY, *USGS-Oregon Coop. Fish & Wildl. Res. Unit, Dept. Fish. & Wildl., Oregon State Univ., Corvallis, OR*, and ALLEN R. PLACE, *Center Marine Biotech., Maryland Biotech. Inst., Baltimore, MD.*

**POSTER SESSIONS**

**Wednesday**

- 299 Live O.W.L. demo -- Ornithological Worldwide Literature. JAY M. SHEPPARD, *Laurel, MD*, KENNETH P. ABLE, *McArthur, CA*, and ROBIN McCLEERY, *Edward Grey Inst. Field Ornithol., Oxford, UK.*
- 300 The evolution of major histocompatibility genes is different in canaries (genus *Serinus*) from islands. ANTONIO ARNAIZ-VILLENA, JORGE ZAMORA, VALENTIN RUIZ-DEL-VALLE, JUAN MOSCOSO, JUAN IRA CACHAFEIRO and ERNESTO LOWY, *Dept. Inmunologia, Universidad Complutense, Madrid, Spain.*

- 301 Effects of song on *Zugunruhe* in female Indigo Buntings during spring migration. RACHEL T. BRU and FRANK R. MOORE, *Univ. Southern Mississippi, Hattiesburg, MS.*
- 302 Phylogeography of two closely related and expanding species: the Great-tailed and Boat-tailed grackles. WALTER WEHTJE, *California State Univ., Northridge, CA*, JEFFREY M. CACOSTA and JOHN KLICKA, *Marjorie Barrick Mus., Las Vegas, NV.*
- 303 \* A quantitative study of habitat use by sympatric Alder and Willow flycatchers in Alberta. SARAH D. HECHTENTHAL and M. ROSS LEIN, *Dept. Biol., Univ. Calgary, Calgary, AB.*
- 304 Effects of radio marking on Prairie Falcons: attachment failures provide insights about survival. KAREN STEENHOF, MARK R. FULLER, MICHAEL N. KOCHERT, *U.S. Geol. Surv., For. & Range. Ecosys. Sci. Ctr., Snake River Field Sta. Boise, ID*, KIRK K. BATES, JAMES O. MCKINLEY, *Raptor Res. Center, Boise State Univ. Boise, ID*, and PAUL M. LUKACS, *Colorado Coop. Fish & Wildl. Res. Unit, Colorado State Univ., Ft. Collins, CO.*
- 305 \*The effects of habitat fragmentation on landscape-level processes and stopover habitat associations of Nearctic-Neotropical migrating birds. JULIAN D. AVERY and G. S. KELLER, *Dept. Biol., Eastern New Mexico Univ., Portales, NM.*
- 306 New York's second breeding bird atlas. KEVIN J. MCGOWAN, *Lab. Ornithol., Cornell Univ., Ithaca, NY*, and KIMBERLEY CORWIN, *New York Dept. Environ. Conserv., Albany, NY.*
- 307 Possible double brooding in temperate-breeding orioles: breeding behavior of Baltimore and Orchard orioles. SPRING D. LIGI and KEVIN E. OMLAND, *Dept. Biol. Sci., Univ. Maryland Baltimore Co., Baltimore, MD.*
- 308 \* Influence of habitat restoration management on nesting ecology of grassland songbirds in remnant prairies of the Loess Hills, Iowa. TRACY A. WALKER, *Dept. Nat. Res. Ecol. & Manage., Iowa State Univ., Ames, IA*, and JAMES R. MILLER, *Dept. Landscape Architecture and Dept. Nat. Res. Ecol. & Manage., Iowa State Univ.*
- 309 Breeding biology of Swainson's Hawks in the Butte Valley, CA. CHRIS W. BRIGGS, MICHAEL W. COLLOPY, *Dept. Nat. Res. & Environ. Sci., Univ. Nevada, Reno, NV*, and BRIAN WOODBRIDGE, *U.S. Fish & Wildl. Serv., Yreka, CA.*
- 310 Defining species limits through color: analysis of the Orchard Oriole complex. IAN TRACY, CHRIS HOFMANN, TOM CRONIN and KEVIN OMLAND, *Biol. Sci. Dept., Univ. Maryland, Baltimore Co., Baltimore, MD.*
- 311 Behavioral plasticity in the Common Yellowthroat: response to density of conspecifics and internal state during migration. MEGAN E. HUGHES and FRANK R. MOORE, *Dept. Biol. Sci., Univ. Southern Mississippi, Hattiesburg, MS.*
- 312 Comparative spring migration timetables between white and tan morphs of the White-throated Sparrow. SARAH S. A. CALDWELL and ALEXANDER M. MILLS, *Dept. Zool., Univ. Toronto, Toronto, ON.*
- 313 \* Linking migration and winter ecology in a long-distance migratory songbird using stable-carbon isotope analysis. AARON T. BOONE and PAUL G. RODEWALD, *School Nat. Res., Ohio State Univ., Columbus, OH.*
- 314 Modeling the influence of forest structure and composition on avian communities in northern Arizona Ponderosa Pine forests. JOHN W. PRATHER, THOMAS D. SISK, YAGUANG XU, HAYDEE M. HAMPTON, *Center Environ. Sci. & Edu., N. Arizona Univ., Flagstaff, AZ*, STEVEN S. ROSENSTOCK, *Arizona Game & Fish Dept., Flagstaff, AZ*, BRETT G. DICKSON, *Colorado State*

- Univ., Ft. Collins, CO, KERRY GRIFFIS-KYLE, Syracuse Univ., Syracuse, NY, WILLIAM M. BLOCK, USDA Forest Service Rocky Mtn. Res. Stat., Flagstaff, AZ, and CAROL L. CHAMBERS, Dept. Forestry, N. Arizona Univ.*
- 315 Selective logging and bird conservation in the Cordillera de Colan, northern Peru. NICO S. DAUPHINE, ANIKA C. MAHONEY, ROBERT J. COOPER, *Warnell School For. Res., Univ. Georgia, Athens, GA*, and DANIEL M. BROOKS, *Houston Mus. Nat. Sci., Houston, TX*.
- 316 A phylogenetic perspective on the evolution of chromatic ultraviolet plumage coloration in the grackles and allies (Family: Icteridae). MUIR D. EATON, *Nat. Hist. Mus., Univ. Kansas, Lawrence, KS*.
- 317 Water quality and foraging behavior in wintering Common Loons. STEPHANIE A. THOMPSON and J. JORDAN PRICE, *Dept. Biol., St. Mary's College of Maryland, St. Mary's City, MD*.
- 318 Habitat use by Brown-headed Cowbirds: insights into egg-laying and foraging areas using stable isotope analysis. KARL L. KOSCIUCH, ROXANE FAGAN, BRETT K. SANDERCOCK and DAVID A. RINTOUL, *Div. Biol., Kansas State Univ., Manhattan, KS*.
- 319 An Eastern Kingbird's guide to reproductive success. AMY C. DOLAN, LUKE REDMOND, KAREN SEXTON, DEBBIE DUFFIELD and MICHAEL MURPHY, *Dept. Biol, Portland State Univ., Portland, OR*.
- 320 Nest success and breeding biology of the Cerulean Warbler in Michigan. CHRISTOPHER M. ROGERS and THOMAS R. SHELITE, *Dept. Biol. Sci., Wichita State Univ., Wichita, KS*.
- 321 \* Initial avian community response to oak woodland restoration in the Ozark National Forest, Arkansas. NICHOLAS J. C. BROWN and CHRISTOPHER J. KELLNER, *Dept. Biol., Arkansas Tech Univ., Russellville, AR*.
- 322 \* Effects of partial harvesting on the demography and habitat selection of primary cavity nesting birds in the Carolinian zone of southwestern Ontario. KATA BAVRLIC, *Dept. Biol., Trent Univ., Peterborough, ON*, DAWN BURKE, *Ontario Ministry Nat. Res., London, ON*, ERICA NOL, *Dept. Biol., Trent Univ.*, and KEN ELLIOTT, *Ontario Ministry Nat. Res.*
- 323 Nest characteristics and breeding success in tidal marsh Song Sparrows. PARVANEH ABBASPOUR, APRIL ROBINSON, NADAV NUR, MARK HERZOG and LEONARD LIU, *Point Reyes Bird Observ., Stinson Beach, CA*.
- 324 \* Effects of experimental testosterone-implants on behavior, territory position, and mating success of male Greater Prairie-Chickens. JACQUELINE K. NOOKER and BRETT K. SANDERCOCK, *Div. Biol., Kansas State Univ., Manhattan, KS*.
- 325 \* Nests without eggs: abandonment or cryptic predation? J. DYLAN MADDIX and PATRICK J. WEATHERHEAD, *Prog. Ecol. & Evol. Biol., Univ. Illinois, Champaign, IL*.
- 326 Behavior and chip note vocalizations of female Hooded Warblers during nest defense. L. C. MARSHALL-ROSENBERGER and K. G. SMITH, *Dept. Biol., Univ. Arkansas, Fayetteville, AR*.
- 327 \*Extra-pair mate choice and immune response in Common Yellowthroats. J. C. GARVIN, P. O. DUNN and L. A. WHITTINGHAM, *Dept. Biol. Sci., Univ. Wisconsin-Milwaukee, Milwaukee, WI*.
- 328 Inconsistent responses of Common Grackles to Cowbird parasitism: evidence of the decline of grackle anti-parasite behavior. BRIAN D. PEER, *Dept. Biol., Western Illinois Univ., Macomb, IL*, and STEPHEN I. ROTHSTEIN, *Dept. Ecol., Evol. & Marine Biol., Univ. California, Santa Barbara, CA*.

- 329 Song tempo variation between males in the Black-Throated Blue Warbler. GABRIEL J. COLBECK, MICHAEL S. WEBSTER, *School Biol. Sci., Washington State Univ., Pullman, WA*, and T. SCOTT SILLETT, *Smithsonian Migratory Bird Ctr, Natl. Zool. Park, Washington, DC*.
- 330 \* Vocal performance and responses to different song types in Red-Winged Blackbirds. E. REBECCA. A. CRAMER and J. JORDAN PRICE, *Dept. Biol., St. Mary's College of Maryland, St. Mary's City, MD*.
- 331 Song characteristics and variation of "Audubon's Warbler" from two locations within Alberta. S. F. LOVELL, *Dept. Biol Sci, Univ Calgary, Calgary, AB*.
- 332 Phylogeny of the Golden fronted and Red-bellied woodpecker species group (Picidae) using mtDNA sequences. ERICK A. GARCÍA-TREJO, ADOLFO G. NAVARRO, *Museo de Zoología, Facultad de Ciencias, Univ. Nacional Autónoma de México, Mexico City, Mexico*, and ALEJANDRO ESPINOSA DE LOS MONTEROS, *Instituto de Ecología A. C., Xalapa, Veracruz*.
- 333 Phylogenetic relationships among populations of Eastern Towhee: investigating the white-eyed Florida subspecies. JEREMY S. BATTEN and JOHN KLIICKA, *Marjorie Barrick Mus., Univ. Nevada, Las Vegas, NV*.
- 334 Molecular phylogeny and historical biogeography in *Brotogeris* parakeets. CAMILA C. RIBAS, *Dept. Ornithol., Am. Mus. Nat. Hist., New York, NY*.
- 335 \* Isotopic differences in foraging habitat identified by  $\delta^{15}\text{N}$  and  $\delta^{13}\text{C}$  values in Waved Albatrosses. JILL A. AWKERMANN, *Dept. Biol., Wake Forest Univ., Winston-Salem, NC*, KEITH A. HOBSON, *Canadian Wildl. Serv., Saskatoon, SK*, and DAVID J. ANDERSON, *Dept. Biol., Wake Forest Univ.*
- 336 Phylogenetic relationships within the Galliformes inferred from sequences of 14 nuclear loci. REBECCA T. KIMBALL, BENJAMIN BURKLEY, EDWARD L. BRAUN and W. ANDREW COX, *Dept. Zool., Univ. Florida, Gainesville, FL*.
- 337 Methodologies for releasing federally endangered San Clemente Loggerhead Shrikes on San Clemente Island. LEAH H. WEBB, ERIC L. KERSHNER and SHANE R. HEATH, *Inst. Wildl. Studies, San Diego, CA*.
- 338 In the Thicket of Things: re-creating riparian habitat in a desert in British Columbia. CHRISTINE A. BISHOP, *Canadian Wildl. Serv., Delta, BC*, D. JASON EMERY, *Solitude Environmental Services, Vancouver, BC*, and KEN JOHNSON, *Ducks Unlimited Canada*.
- 339 Evaluation of distance sampling as a technique to determine the abundance of the Black-capped Vireo on Fort Hood, Texas. DAVID A. CIMPRICH and KERI N. NORMAN, *The Nature Conservancy, Ft. Hood, TX*.
- 340 Population trends of shrubland and woodland birds in central Texas: local versus regional patterns. R. M. KOSTECKE, *The Nature Conservancy, Ft. Hood, TX*.
- 341 \* The effect of Brown-headed Cowbird removal on the demography of the Dickcissel. ERIN L. HEWETT, *Dept. Ecol. & Evol. Biol., Cornell Univ., Ithaca, NY*, KARL L. KOSCIUCH and BRETT K. SANDERCOCK, *Div. Biol., Kansas State Univ., Manhattan, KS*.
- 342 \* Nest vigilance by male Carolina Wrens during incubation. GUADALUPE QUIROZ and DIANE L. NEUDORF, *Dept. Biol. Sci., Sam Houston State Univ., Huntsville, TX*.
- 343 Seed dispersal by the invasive Kalij Pheasant: implications for Hawaiian forests. KATHERINE A POSTELLI, *USGS/PIERC and Natl. Park Serv., Hawaii Natl. Park, HI, and Botany Dept., Univ. Hawaii, Honolulu, HI*, DONALD R DRAKE, *Botany Dept., Univ. Hawaii*, and THANE K PRATT,

USGS/PIERC, Hawaii Natl. Park.

- 344 Factors influencing vigilance while feeding in reintroduced California Condors. CHRISTOPHER J WEST, *Dept. Wildl., Humboldt State Univ., Arcata, CA.*
- 345 Taxonomy of the Green-fronted Hummingbird (*Amazilia viridifrons*) complex using mtDNA. GABRIELA M. GARCÍA-DERAS, BLANCA E. HERNÁNDEZ-BAÑOS and ADOLFO G. NAVARRO, *Museo de Zoología, Fac.de Ciencias, Univ. Nacional Autónoma de México, Mexico City, Mexico.*
- 346 Extra-pair mating tactics in female Northern Cardinals: a test of the 'constrained female hypothesis.' SHEENA K. HUMBIRD and DIANE L. H. NEUDORF, *Dept. Biol. Sci., Sam Houston State Univ., Huntsville, TX.*
- 347 Abundance and reproductive success of Blue-winged Warblers in forest openings of different sizes. ROBERT A. ASKINS, *Dept. Biol., Connecticut Coll., New London, CT,* and BENJAMIN ZUCKERBERG, *Coll. Environ. Sci. & For., State Univ. New York, Syracuse, NY.*
- 348 Waiting for trees to grow: nest survival, brood parasitism, and the impact of reforestation efforts. KIRSTEN R. HAZLER, *Warnell School For. Res., Univ. Georgia, Athens, GA,* DANIEL J. TWEDT, *Patuxent Wildl. Res. Ctr., Vicksburg, MS,* and ROBERT J. COOPER, *Warnell School For. Res., Univ. Georgia.*
- 349 Waves and Western Grebe nest survival: an experimental approach. JOSEPH H. ALLEN, GARY L. NUECHTERLEIN and DEBORAH BUITRON, *Dept. Biol. Sci., North Dakota State Univ., Fargo, ND.*
- 350 Bird responses to fire and fire-surrogate treatments in longleaf pine forests. W. DOUGLAS ROBINSON, *Dept. Fish. & Wildl., Oregon State Univ., Corvallis, OR,* and GHISLAIN R. ROMPRE, *Univ. Laval, Québec, QC.*
- 351 Trends of wintering landbirds in central coastal California and correlations with weather patterns. DIANA L. HUMPLE, MICHAEL C. ROGNER, GRANT BALLARD, THOMAS GARDALI and GEOFFREY R. GEUPEL, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA.*
- 352 The endemic and endangered *Chauna chavaria* L. and the Anhimidae family are a flag species of the Important Bird Areas in South America. JUAN MANUEL PRADA, *Universidad Nacional de Colombia, Bogotá, Colombia.*
- 353 Population structure of a metapopulation of Pinyon Jays. CHRISTIAN NUNES, RUSSELL BENFORD, STEPHEN M. SHUSTER, PAUL KEIM and RUSSELL P. BALDA, *Avian Cognition Lab., Dept. Biol. Sci., Northern Arizona Univ., Flagstaff, AZ.*
- 354 Host use by individual cowbirds in a diverse avian community. BILL M. STRAUSBERGER, *Pritzker Lab. Mol. Biol., Zool. Dept., Field Mus. Chicago, IL.*
- 355 Breeding habitat selection of Eastern Kingbirds in southeastern Oregon. LUKE REDMOND, AMY C. DOLAN and MICHAEL T. MURPHY, *Dept. Biol., Portland State Univ., Portland, OR.*
- 356 Louisiana Waterthrush ecology and riparian conservation in the Georgia Piedmont. BRADY J. MATTSSON and ROBERT J. COOPER, *Warnell School For. Res., Univ. Georgia, Athens, GA.*
- 357 Transgenerational priming of immunity: maternal exposure to a bacterial antigen enhances offspring humoral immunity. JENNIFER L. GRINDSTAFF, DENNIS HASSELQUIST, JAN-ÅKE NILSSON, MARIA SANDELL and MARTIN STJERNMAN, *Dept. Animal Ecol., Lund Univ., Lund, Sweden.*

- 358 Who leads the flock? The participation of women in the AOU, COS and WOS. KIMBERLY A. SULLIVAN, *Dept. Biol., Utah State Univ., Logan, UT.*
- 359 Avian haematozoa in South America: a comparison of temperate and tropical zones. KATE L. DURRANT, JON S. BEADELL, FARAH ISHTIAQ, EBEN GERING, ROBERT C. FLEISCHER, *Genetics Prog., Natl. Zool. Park, Washington, DC*, GARY R. GRAVES, STORRS L. OLSON, CHRISTOPHER M. MILENSKY, BRIAN K. SCHMIDT, CHRISTINA GEBHARD, *Dept. Vert. Zoo., Natl. Mus. Nat. Hist., Washington, DC*, and MIKE A. PIERCE, *MP Internat. Consultancy, Bexhill-on-Sea, E. Sussex, UK.*
- 360 At what stage do cowbird populations become male-biased? K. ELLISON, *Dept. Wildl. Ecol., Univ. Wisconsin, Madison, WI*, and S. G. SUMMERS, *The Nature Conservancy, Ft. Hood, TX.*
- 361 Habitat characteristics of American Avocet and Black-necked Stilt nurseries. JENNIFER CARY, *Dept. Biol., Austin Coll., Sherman, TX*, and JOHN F. CAVITT, *Dept. Zool., Weber State Univ., Ogden, UT.*
- 362 \* Seasonal diet shifts in a migratory population of Yellow-rumped Warblers: insights from stable isotope analysis. CHANTAL M. GAGNON, *Dept. Biol., Univ. Saskatchewan, Saskatoon, SK*, and KEITH A. HOBSON, *Canadian Wild. Serv., Saskatoon, SK.*

#### Friday

- 299 (repeated) Live O.W.L. demo -- Ornithological Worldwide Literature. JAY M. SHEPPARD, *Laurel, MD*, KENNETH P. ABLE, *McArthur, CA*, and ROBIN McCLEERY, *Edward Grey Inst. Field Ornithol., Oxford, UK.*
- 363 What are the origins and functions of domed nests in Saltmarsh Sharp-tailed Sparrows? SELENA HUMPHREYS, CHRIS S. ELPHICK, CARINA GJERDRUM and MARGARET A. RUBEGA, *Dept. Ecol. & Evol. Biol., Univ. Connecticut, Storrs, CT.*
- 364 Radionuclide levels in birds from the western Aleutians. J. BURGER and M. GOCHFELD, *Consortium for Risk Evaluation with Stakeholder Participation, Piscataway, NJ.*
- 365 California Clapper Rail population trends in the San Francisco Bay Estuary. LEONARD LIU, *Point Reyes Bird Observ. Conserv. Sci., Stinson Beach, CA*, and JULES EVENS, *Avocet Res. Assoc., Pt. Reyes Station, CA.*
- 366 Picking up chicks: movement and extra-pair paternity of American Redstarts in an agricultural landscape. JAMES L. CHURCHILL and SUSAN J. HANNON, *Dept. Biol. Sci., Univ. Alberta, Edmonton, AB.*
- 367 Latitudinal variation in incubation attentiveness and an experimental test of the food limitation hypothesis. ANNA D. CHALFOUN and THOMAS E. MARTIN, *Montana Coop. Wildl. Res. Unit, Univ. Montana, Missoula, MT.*
- 368 Determining natal origins of raptors migrating through the Florida Keys: a stable isotope approach. SARA E RESS, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR*, CASEY A LOTT, *Hawkwatch Internatl.*, and KIMBERLY G SMITH, *Dept. Biol. Sci., Univ. Arkansas.*
- 369 Stage-dependent phenotypic plasticity within the migratory period: Blackpolls "know" when fat matters. REBECCA L. HOLBERTON, *Lab. Avian Endocrinology, Dept. Biol. Sci., Univ. Maine, Orono, ME*, and JAMES BAIRD, *Petersham, MA.*
- 370 Flight patterns of nocturnal fall migrants in relation to topographic features along the Allegheny Front, West Virginia: results of studies using a mobile radar system. JONATHAN H. PLISSNER,



- TODD J. MABEE and BRIAN A. COOPER, *ABR, Inc., Forest Grove, OR.*
- 371 Phylogeography of Ruffed Grouse across North America. BARTEK JABLONSKI, PATRICIA BRITO, GEORGE BARROWCLOUGH, JEFF GROTH, *Am. Mus. Nat. Hist., New York, NY*, R. GUTIERREZ and ROBERT ZINK, *Univ. Minnesota, St. Paul, MN.*
- 372 Upland bird communities on a large Pacific island (Santo, Vanuatu). ANDREW W. KRATTER, DAVID W. STEADMAN and JEREMY J. KIRCHMAN, *Florida Mus. Nat. Hist., Univ. Florida, Gainesville, FL.*
- 373 Effects of various forestry practices on bird communities in the Arkansas Ozarks: a 12-year study. KIMBERLY G. SMITH, MICHAEL MLODINOW, *Dept. Biol. Sci., Univ. Arkansas, Fayetteville, AR*, and JAN SELF, *USDA For. Serv., Jasper, AR.*
- 374 Avifaunal survey of a National Guard training site within the Post Oak Savannah ecoregion of Texas. DIANE L. H. NEUDORF, *Dept. Biol. Sci., Sam Houston State Univ., Huntsville, TX.*
- 375 Migrating birds as dispersal vehicles of West Nile Virus. JENNIFER C. OWEN, FRANK R. MOORE, *Dept. Biol. Sci., Univ. Southern Mississippi, Hattiesburg, MS*, NICHOLAS PANELLA, ERIC EDWARDS, *Div. Vector-Borne Infect. Diseases, Centers Disease Control & Prevention, Ft. Collins, CO*, RACHEL BRU, MEGAN E. HUGHES, *Dept. Biol. Sci., Univ. Southern Mississippi*, and NICHOLAS KOMAR, *Div. Vector-Borne Infect. Diseases.*
- 376 The influence of hunger on begging behavior in the Brown-headed Cowbird. JAMES W. RIVERS and STEPHEN I. ROTHSTEIN, *Dept. Ecol., Evol. & Marine Biol., Univ. California, Santa Barbara, CA.*
- 377 Protection of California Least Tern nesting areas in Ensenada de La Paz, Baja California Sur, México (1999 - 2001). ANDREA CUÉLLAR BRITO, *Dept. Pesq. y Biol. Mar., CICIMAR-IPN, Univ. Auto. de Baja California Sur, La Paz, México*, and ROBERTO CARMONA, *Dept. Biol. Mar., Univ. Auto. de Baja California Sur.*
- 378 Grassland songbird nest success in filter strips enrolled in southwestern Minnesota's Conservation Reserve Enhancement Program (CREP). NICOLE M. DAVROS, *Dept. Nat. Resour. Ecol. & Manage., Iowa State Univ., Ames, IA*, and WILLIAM L. HOHMAN, *USDA/NRCS-Wildl. Habitat Manage. Inst., Dept. Nat. Resour. Ecol. & Manage., Iowa State Univ.*
- 379 Phylogeographic relationships among Interior and Atlantic Coast populations of the Painted Bunting. CONNIE A. HERR, *Dept. Biol., and Marjorie Barrick Mus., Univ. Nevada, Las Vegas, NV*, and JOHN KLICKA, *Marjorie Barrick Mus.*
- 380 A preliminary report on the use of large woodpecker foraging sign as a possible method to suggest presence of Ivory-billed Woodpeckers: a forensic approach. PAUL W SYKES, Jr., *USGS Patuxent Wildl. Res. Center, Field Station, Athens, GA*, STEVE HOLZMAN, *USFWS, Georgia Ecol. Services Office, Athens, GA*, CARL PERRY, *Mountville, PA*, JOAN J. SYKES, *Watkinsville, GA*, and PIERRE HOWARD, *Atlanta, GA.*
- 381 Eared Grebe use of the Guerrero Negro Saltworks, Baja California Sur, Mexico (2004 - 2005). ANDREA CUÉLLAR BRITO, *Dept. Pesq. y Biol. Mar., CICIMAR-IPN, La Paz Baja California Sur, Mexico*, and ROBERTO CARMONA, *Dept. Biol. Mar., Univ. Auto. de Baja California Sur, Mexico.*
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