

Friday 10 April

8:00 Welcome and Introductions – Grand Ballroom Room 3/4
 Todd Katzner, National Aviary, Jim Rising, Wilson Ornithological Soc., David Bonter, Assoc. of Field Ornithologists

8:30 Association of Field Ornithologists Plenary Lecture – Grand Ballroom Room 3/4
 Dr. Bruce M. Beehler, THE FORGOTTEN SCIENCE—A ROLE FOR NATURAL HISTORY IN THE 21ST CENTURY

9:30 – 10:00 COFFEE BREAK – BALLROOM FOYER

Paper Session A – Grand Ballroom Room 3 Behavior & Physiology – Kathryn Purcell	Paper Session B – Grand Ballroom Room 4 Conservation & Human Interactions – Rachel Vallender
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10:00 1 ^SGEOGRAPHIC VARIATION IN THE CALLS AND DUETS OF A NONPASSERINE, THE BARRED OWL (*STRIX VARIA*). Karan J. Odom* and Daniel J. Mennill, University of Windsor

7 EFFECTS OF PARTIAL HARVEST ON CERULEAN WARBLERS AND OTHER PARTNERS IN FLIGHT PRIORITY SPECIES. Scott Stoleson, U.S. Forest Service

10:15 2 ^SDARLING, IS THAT YOU?: VOCAL MATE RECOGNITION IN WILD PARROTS. Karl S. Berg*¹, Soraya Delgado¹, Rae Okawa¹, Steven R. Beissinger² and Jack W. Bradbury¹. ¹Cornell University, ²U.C. Berkeley

8 TRACING MERCURY AND CALCIUM THROUGH FOOD WEBS TO TERRESTRIAL FOREST BIRDS: CAUSES AND CONSEQUENCES. Ralph S. Hames* and James D. Lowe, Cornell University

10:30 3 DO MALE COMMON LOONS SIGNAL AN ELEVATED WILLINGNESS TO ATTACK WITH LONGER YODELS? Jay Mager, Ohio Northern University and Charles Walcott, Cornell University

9 ^SAVIAN RESPONSE TO GAS WELL DEVELOPMENT IN THE CENTRAL APPALACHIANS: FIRST YEAR RESULTS. Jim Sheehan* and Gregory A. George, West Virginia Cooperative Fish and Wildlife Research Unit and Petra Bohall Wood, U.S. Geological Survey

10:45 4 BIRDS CAN ADJUST THEIR ANTI-PREDATOR BEHAVIOR IN RESPONSE TO SOCIAL INFORMATION ACCURACY. Joseph J. Nocera*, Trent University and Laurene M. Ratcliffe, Queen’s University

10 ^SHOW DOES ANTHROPOGENIC DISTURBANCE AFFECT AVIAN COMMUNITIES? Bethany K. Stephan* and Anna Marie Parise, Canisius College; Michael Hamilton and Robert L. DeLeon, Buffalo Ornithological Society; and H. David Sheets and Sara R. Morris, Canisius College

SCIENTIFIC PAPER SESSIONS

WOS-AFO 2009

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| 11:00 | 5 SONG DIVERGENCE IN MANGROVE WARBLERS (DENDROICA PETECHIA CASTANEICEPS): RESPONSE TO HABITAT STRUCTURE AND CULTURAL EROSION DUE TO FRAGMENTATION. Robert C. Whitmore* West Virginia University and Michael M. Whitmore, Moss Adams Corporation LLP | 11 ^S IMPACT OF INVASIVE MORROW'S HONEYSUCKLE REMOVAL ON THE NESTING SUCCESS OF FIELD SPARROWS IN A WESTERN PENNSYLVANIA SHRUBLAND. Holly M. McChesney* and James T. Anderson, West Virginia University, and Constance A. Ranson, National Park Service |
| 11:15 | 6 REPEATABILITY OF HEMATOCRIT IN GRAY CATBIRDS. Margret I. Hatch*, Penn State Worthington Scranton, and Robert J. Smith, University of Scranton | 12 ^S BIRD POPULATION RESPONSES TO CONSERVATION PROGRAM GRASSLANDS IN PENNSYLVANIA . Andrew Wilson, The Pennsylvania State University |
| 11:30 | MEET THE EDITORS
<i>Journal of Field Ornithology</i> – Gary Richtison
<i>Wilson Journal of Ornithology</i> – Clait Braun | 13 ^S SURVIVAL IN A CREATED LANDSCAPE: RADIO-TRACKING FLEDGLING BLUEBIRDS ON GOLF COURSES. Allyson K. Jackson* and Daniel A. Cristol, College of William and Mary |
| 11:45 | | 14 ^S CHARACTERISTICS OF URBAN CROW ROOSTS IN THE NORTHEASTERN UNITED STATES. Grant T. Stokke* and Margaret C. Brittingham, The Pennsylvania State University |

12:00 – 1:00 LUNCH

1:00 JOINT BUSINESS MEETINGS OF THE WILSON ORNITHOLOGICAL SOCIETY AND THE ASSOCIATION OF FIELD ORNITHOLOGISTS

Paper Session A – Grand Ballroom Room 3 Habitat Use – Scott Stoleson	Paper Session B – Grand Ballroom Room 4 Reproduction – Joseph Nocera
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| 2:00 | 15 FOREST MIGRANTS IN SHORT-GRASS PRAIRIE OF NEW MEXICO: HABITAT USE WHEN HABITAT IS (NEARLY) ABSENT. Gregory S. Keller*, Gordon College and Julian D. Avery, Rutgers University | 21 ^S CONTEXT-DEPENDENCE OF THE RELATIONSHIP BETWEEN EXTRA-PAIR PATERNITY AND BREEDING SYNCHRONY IN THE HOUSE WREN <i>TROGLODYTES AEDON</i> . Katie LaBarbera*, Paulo Llambias, and Irby J. Lovette, Cornell University |
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SCIENTIFIC PAPER SESSIONS

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- 2:15 16 MID-CONTINENTAL HABITAT AVAILABILITY AND SHOREBIRD USE OF NATURAL AND ANTHROPOGENIC WETLANDS. Nathan E. Thomas, Shippensburg University and David L. Swanson, University of South Dakota
- 2:30 17 ^SCANADA WARBLER HABITAT SUITABILITY IN AN ACTIVE INDUSTRIAL FOREST IN WEST VIRGINIA. Douglas Becker,* West Virginia Cooperative Fish and Wildlife Research Unit and Petra Bohall Wood, U.S. Geological Survey
- 2:45 18 ^SEFFECTS OF HABITAT CHANGE AND RESTRICTING BREEDING BIRD SURVEY ROUTES TO ROADS ON CERULEAN WARBLER POPULATIONS IN THE CENTRAL APPALACHIANS. Patrick McElhone*, West Virginia Cooperative Fish and Wildlife Research Unit and Petra Bohall Wood and Deanna Dawson, U.S. Geological Survey
- 3:00 19 ^SA BIRD’S EYE VIEW OF FOREST CANOPY STRUCTURE: HOW DOES CANOPY OPENNESS AFFECT CANOPY-NESTING SPECIES? Felicity L. Newell* and Amanda D. Rodewald, The Ohio State University
- 3:15 20 ^SCALCIUM AND FOREST BIRD HABITAT QUALITY. Sarah E. Pabian* and Margaret C. Brittingham, The Pennsylvania State University

- 22 ^SEGG EJECTION AND HATCHING ASYNCHRONY INFLUENCE EGG SIZE IN THE GREATER ANI (*CROTOPHAGA MAJOR*), A COMMUNALLY BREEDING CUCKOO. Christina Riehl, Princeton University
- 23 ^SLOSS OF BRIGHTNESS IN AMERICAN GOLDFINCH BILLS IN RESPONSE TO ACUTE IMMUNE RESPONSE. Malcolm F. Rosenthal^{1*}, Troy G. Murphy², Nancy Darling¹, and Keith A. Tarvin¹; ¹Oberlin College; ²Queen's University
- 24 ^SHYBRID CHICKADEES SHOW HIGHER SURVIVORSHIP THAN CAROLINA CHICKADEES IN SOUTHEASTERN PENNSYLVANIA. Stephanie G. Wright* and Robert L. Curry, Villanova University
- 25 EVIDENCE FOR A MATERNAL EFFECT BENEFITING EXTRA-PAIR OFFSPRING IN THE HOUSE WREN. L. Scott Johnson*, Jessica L. Brubaker, Bonnie G. P. Johnson, and Brian S. Masters, Towson Univ.
- 26 BRIGHTER EGGS ARE BETTER IN THE HOUSE WREN. Lindsey A. Walters*, Canisius College and Thomas Getty, Michigan State University

3:30 – 3:45

COFFEE BREAK – BALLROOM FOYER

COFFEE BREAK – BALLROOM FOYER

Paper Session A – Grand Ballroom Room 3 Ecology – Gregory Keller	Paper Session B – Grand Ballroom Room 4 Systematics & Morphology – Margret Hatch
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- 3:45 27 ASSESSING MONITORING TECHNIQUES FOR AVIAN SPECIES RICHNESS. Amy Tegeler-Amones* and Joseph M. Szewczak, Humboldt State University

- 32 ^SDNA BARCODING IS FOR THE BIRDS: USING AN OLD TECHNIQUE IN NEW SITUATIONS: A CASE STUDY FOR ASIAN VULTURES. Yula Kapetanakos, Cornell University

SCIENTIFIC PAPER SESSIONS

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| 4:00 | 28 ^S THE APPLICATION OF BIOLOGICAL CONDITION INDICES TO AVIAN MONITORING DATA. Sarah E. Goodwin* and W. Gregory Shriver, University of Delaware | 33 ^S GENOME-WIDE LEVELS OF INTROGRESSION AND DIVERGENCE ACROSS MEXICAN TOWHEE HYBRID ZONES. Sarah E. Kingston* ^{1,2} , William Fagan ¹ , Michael J. Braun ^{1,2} , ¹ University of Maryland, ² National Museum of Natural History |
| 4:15 | 29 ^S AVIAN DIVERSITY IN A HIGH ELEVATION PEATLAND OF WESTERN MARYLAND. David Yeany II* and Frank Ammer, Frostburg State University | 34 EXTENSIVE RANGEWIDE MITOCHONDRIAL INTROGRESSION INDICATES SUBSTANTIAL CRYPTIC HYBRIDIZATION IN THE GOLDEN-WINGED WARBLER. Rachel Vallender*, Cornell Lab of Ornithology; Steve VanWilgenburg, Environment Canada; Lesley Bulluck, Virginia Commonwealth University; Amber Roth, Michigan Technological University; Ronald Canterbury, University of Cincinnati, ; Jeffery Larkin, Indiana University of Pennsylvania; and Irby Lovette, Cornell Lab of Ornithology |
| 4:30 | 30 LONG-TERM AVIAN COMMUNITY DYNAMICS IN SUCCESSIONAL, FORESTED, AND MANAGED PLOTS IN A REFORESTING LANDSCAPE. David N. Bontar*, Cornell Lab of Ornithology and Elizabeth W. Brooks, Braddock Bay Bird Observatory | 35 ^S EVOLUTIONARY INSIGHTS ABOUT NECTARIVORES' BILLS STRUCTURES. Alejandro Rico-G. University of Connecticut |
| 4:45 | 31 PATTERNS OF NATAL DISPERSAL IN A HYBRID CHICKADEE POPULATION. Robert L. Curry*, Villanova Univ. | 36 ^S DEVELOPMENT AND EVALUATION OF AN <i>IN VIVO</i> PENTOSIDINE AGING TECHNIQUE FOR DOUBLE-CRESTED CORMORANTS (<i>PHALACROCORAX AURITUS</i>). Crissa Cooley* and James Anderson, West Virginia University; Brian Dorr and Katie Hanson, USDA; and Hillar Klandorf, West Virginia University |
| 5:00 | 54 ^S THE EFFECT OF OFF-ROAD VEHICLES ON MIGRATING SHOREBIRDS. Katherina Forgues*, Trent University | 37 INCIDENCE AND PREVALENCE OF SCALY LEG MITE IN PASSERINES AT A CENTRAL ARKANSAS (USA) SITE. M. Victoria McDonald, University of Central Arkansas |

7:00 – 9:00

POSTER SESSION and EVENING SOCIAL
National Aviary

P1 BLACK RAT SNAKE PREDATION OF SWAINSON'S WARBLER (*LIMNOTHLYPIS SWAINSONII*) NESTLINGS: PREDATOR BEHAVIOR AND PARENTAL RESPONSES. Mia R. Revels*, Northeastern State University and Robert Jadin, University of Texas

P2 CONSISTENT FOOTEDNESS IN YELLOW-CROWNED PARAKEETS (*CYANORAMPHUS AURICEPS*). Mildred Funk, Roosevelt University

P3 AVIAN COMMUNITY COMPARISONS AND HABITAT RELATIONSHIPS AT FINZEL SWAMP, MARYLAND. Frank K. Ammer* and David Yeany II*, Frostburg State University

P4 SOCIAL ENVIRONMENT IN CAPTIVITY AFFECTS BEAK COLOR IN HOUSE SPARROWS. Michael P. Lombardo*, Patrick A. Thorpe, and Sheila Colpetzer, Grand Valley State University

P5 ^SEFFECT OF FEMALE BILL COLOR ON MALE PARENTAL CONTRIBUTION IN THE AMERICAN GOLDFINCH. Harden Wisebram, Oberlin College; Troy G. Murphy, Queen's University; and Keith A. Tarvin, Oberlin College.

P6 ^SONSET OF INCUBATION IS NOT THE ONLY MECHANISM CONTROLLING HATCHING SYNCHRONICITY IN AMERICAN GOLDFINCHES. Glennon A. Beresin^{1*}, Troy G. Murphy², and Keith A. Tarvin¹, ¹Oberlin College, ²Queen's University.

P7 ^SHUMAN DISTURBANCE IMPACTS ON MIGRATORY SHOREBIRDS AT CRANE BEACH, IPSWICH, MASSACHUSETTS: SEMIPALMATED PLOVERS (*CHARADRIUS SEMIPALMATUS*), SEMIPALMATED SANDPIPERS (*CALIDRIS PUSILLA*), AND SANDERLINGS (*CALIDRIS ALBA*). Kara Moody*, Antioch University New England and Franz Ingelfinger, The Trustees of Reservations.

P8 ^STEMPORAL AND SPATIAL TRENDS OF Hg IN BALD EAGLES IN MICHIGAN. Michael Wierda*, Katherine Leith, William Bowerman, Amy Roe, Jennifer Thompson, Clemson University; Dave Best, US Fish & Wildlife Service; Teryl Grubb, USFS Rocky Mountain Research Station; and James Sikarskie, Michigan State University

P9 ^SUTILIZING BALD EAGLES FOR ECOLOGICAL AND ENVIRONMENTAL MONITORING IN MICHIGAN. Latice Fuentes* and William Bowerman, Clemson Univ. David Best, US Fish & Wildlife Service, and James Sikarskie, Michigan State Univ.

P10 ^SUSING LONG TERM HISTORICAL DATA TO DEVELOP A SPATIALLY EXPLICIT POPULATION MODEL FOR BALD EAGLES IN MICHIGAN. Katherine F. Leith* and William Bowerman, Clemson University

P11 ^SMICROHABITAT PREFERENCES OF WINTERING BIRDS IN THE CROSS TIMBERS OF CENTRAL OKLAHOMA. P. van Els* and T. J. O'Connell, Oklahoma State University

P12 ^SSEASONAL DIFFERENCES IN SHORT-TERM MASS CHANGES OF NEARCTIC-NEOTROPICAL MIGRANTS ON APPLIEDORE ISLAND. Kyle G. Horton* and Sara R. Morris, Canisius College

P13 ^SDOES THE PEACE BRIDGE AFFECT BIRD BEHAVIOR? Brynne A. Stumpe* and Sara R. Morris, Canisius College

P14 ^SUSING THE PRESENCE OF BIRD SPECIES TO ASSESS THE QUALITY OF RIPARIAN HABITATS AROUND BUFFALO, NY. Anna Marie Parise* and Bethany K. Stephan, Canisius College; Michael Hamilton and Robert L. DeLeon, Buffalo Ornithological Society; and Sara R. Morris, Canisius College

P15 ^SFALL MIGRATION AND STOPOVER ECOLOGY OF THRUSHES IN KALAMAZOO, MICHIGAN. David G. Nally*, Canisius College; Brenda S. Keith and Richard S. Keith, Kalamazoo Nature Center; and Sara R. Morris, Canisius College.

- P16 ^STHE STOPOVER ECOLOGY OF MIGRANT WARBLERS IN MICHIGAN. Dorothy I. Fatunmbi* and Catherine Alford, Canisius College; Brenda S. Keith and Richard S. Keith, Kalamazoo Nature Center; and Sara R. Morris, Canisius College.
- P17 ^SFACTORS INFLUENCING THE MIGRATORY PATH OF SONGBIRDS CONFRONTED WITH A LARGE WATER BODY. Jaclyn Smolinsky* and Robb Diehl, The University of Southern Mississippi and David Delaney, United States Army Construction Engineering Research Laboratory
- P18 FORAGING BEHAVIOR OF THE BLACK-CAPPED CHICKADEE IN RELATION TO SEASONAL CHANGE. Lily Calderwood and John Kricher*, Wheaton College.
- P19 ^SGENOME-WIDE SURVEY OF DIFFERENTIATION BETWEEN HYBRIDIZING APPALACHIAN CHICKADEES. Brian S. Davidson* and Michael J. Braun, University of Maryland and Smithsonian Institution.
- P20 ^STHE EFFECTS OF MATING SYSTEMS ON THE PHYSIOLOGICAL STRESS OF TWO CLOSELY-RELATED SONGBIRDS; THE POLYGYNANDROUS BICKNELL'S THRUSH (*CATHARUS BICKNELLI*) AND MONOGAMOUS SWAINSON'S THRUSH (*CATHARUS USTULATUS*). Hubert Askanas* and Antony Diamond, University of New Brunswick
- P21 ^SSPYING ON INCUBATING HOUSE WRENS: USING MINICAMERAS TO OBSERVE BEHAVIORS IN NEST BOXES. Amanda Engelhard*, E. Dale Kennedy, and Douglas White, Albion College
- P22 ^SCOMPARISON OF THE PROVISIONING BEHAVIOR OF SIZE-DIMORPHIC MALE AND FEMALE EASTERN SCREECH-OWLS. Jason Courter* and Gary Ritchison, Eastern Kentucky University
- P23 LUNAR EFFECTS ON THE FALL MIGRATION OF THE NORTHERN SAW-WHET OWL (*AEGOLIUS ACADICUS*). Jackie Speicher*, Pocono Avian Research Center; Lisa Schreffler*, Northampton Community College; and Dawn Konkoly and Darryl Speicher, Pocono Avian Research Center
- P24 OWL DIET ANALYSIS: IS SOMETHING MISSING FROM THE MENU? Marcy Heacker*, James F. Whatton, and Neal Woodman, National Museum of Natural History.
- P25 EXTRA-PAIR YOUNG IN HOUSE WREN BROODS ARE MORE LIKELY TO BE MALE THAN FEMALE. L. Scott Johnson*, Brian S. Masters, and Bonnie Johnson, Towson Univ.; Charles F. Thompson, Scott K. Sakaluk, Sheryl S. Soukup, and Shannon J. Forsythe, Illinois St. Univ.; and Marcus Neuhäuser, Koblenz Univ. of Applied Sciences
- P26 ^SDEVELOPMENT OF A BIRD COMMUNITY INTEGRITY INDEX TO MONITOR SALT MARSH INTEGRITY AT NATIONAL WILDLIFE REFUGES. Whitney Wiest* and W. Gregory Shriver, University of Delaware
- P27 ^SPERVASIVE AND PRODUCTIVE? REPRODUCTIVE SUCCESS OF EARLY SUCCESSIONAL BIRDS IN MANAGED PINE HABITATS IN THE SOUTHEAST. Brandon W. Newcomb* and Michael D. Collins, Hampden-Sydney College and Erica M. Rutherford, Mark L. Fink, and Alix D. Fink, Longwood Univ.

SCIENTIFIC PAPER SESSIONS

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P28 ^SSEASIDE SPARROW NEST SUCCESS IN RELATION TO PRESCRIBED FIRE FREQUENCIES AT BLACKWATER NWR AND FISHING BAY WMA. Rebecca Kern* and W. Gregory Shriver, University of Delaware and Dixie L. Birch and Laura R. Mitchell, U.S. Fish and Wildlife Service.

P29 ^SCHARACTERIZING AVIAN TROPHIC WEBS IN COASTAL GEORGIA USING STABLE ISOTOPES OF CARBON AND NITROGEN. Ross Brittain*, Christopher Craft, and Arndt Schimmelman, Indiana University

P30 ^STHE INFLUENCE OF RELATIVE NEST PREDATION RISK ON INTERSPECIFIC VARIATION IN PARENTAL NEST DEFENSE BEHAVIORS. Heather A. Szalkowski* and Brian J. Olsen, University of Maine and Sarah Warner, University of Delaware

P31 ^SMALE COMMON LOONS VARY THEIR YODELING RATE WITH TIME OF YEAR AND STAGE OF BREEDING SEASON. Virginia Abernathy*, John Mager III, Ohio Northern University; Charles Walcott, Cornell University, Ithaca, and Walter Piper, Chapman University

P32 ^SSUBOPTIMAL INCUBATION TEMPERATURE SHOWS NO EFFECT ON IMMUNITY IN BOBWHITE QUAIL (*COLINUS VIRGINIANUS*). Alyssa K Ackerman* and Daniel Ardia, Franklin & Marshall College

P33 ^STHE SYNERGISTIC EFFECTS OF CAROTENOIDS AND IMMUNE ACTIVATION ON STRESS RESPONSES IN THE ZEBRA FINCH (*TAENIOPYGIA GUTTATA*). Deanna Broughton* and Daniel Ardia, Franklin and Marshall College

P34 ^SDYNAMICS OF *STAPHYLOCOCCUS AUREUS* AND OTHER *STAPHYLOCOCCUS* SPECIES IN AVIAN PLUMAGE. Meredith P. Wilson* and Edward H. Burt, Jr., Ohio Wesleyan University.

P35 ^STHE GEOGRAPHY OF COLOR IN PARROTS. Lauren. A. Smith* and Edward. H. Burt, Jr., Ohio Wesleyan University.

P36 ^SNETTING METHODS INFLUENCE AGE DISTRIBUTION IN SAMPLES OF CLIFF SWALLOWS. Kristen M. Lear,* Ohio Wesleyan University; Ananda B. Ellis, Lewis and Clark College; and Charles R. Brown, University of Tulsa.

P37 ^SINTER- AND INTRASPECIFIC INTERACTIONS AMONG NEOTROPICAL, MONTANE HUMMINGBIRDS AT FEEDERS. Meredith Palmer* and Rebecca Deatsman, Ohio Wesleyan University.

P38 ^SAVIAN DIVERSITY IN DISTURBED AND UNDISTURBED COSTA RICAN CLOUD FOREST AND LOWLAND RAINFOREST. Sean Williams* and Edward H. Burt, Jr., Ohio Wesleyan University.

P39 ^SDO SEX AND AGE EXPLAIN VARIATION IN THE FAT STORES OF SPRING MIGRATING WARBLERS AT A GREAT LAKES STOPOVER SITE? Bethany Bashaw*, Rebecca Jones, and Mark E. Deutschlander, Hobart and William Smith Colleges.

P40 ^SPOTENTIAL REMAINING FLIGHT RANGES OF MIGRANTS AT A GREAT LAKE STOPOVER SITE: HOW MUCH FAT IS EXCESS FAT? Leslie Hopke*, Chi Kong Poon, Emily Runnells, and Mark E. Deutschlander, Hobart and William Smith Colleges.

P41 ^SDO ARRIVAL DATE AND DISTANCE OF MIGRATION INFLUENCE FAT STORES IN SPRING MIGRATING WARBLERS? Michael Steiner*, Richard Riggi, and Mark E. Deutschlander, Hobart and William Smith Colleges.

P42 ^SDO METEOROLOGICAL VARIABLES EXPLAIN YEARLY VARIATION OF FAT STORES OF SPRING MIGRANTS AT A GREAT LAKES STOPOVER SITE? Maria Virgilio*, Quinn Schara, Emily Runnells, and Mark E. Deutschlander, Hobart and William Smith Colleges.

P43 ^SLOGGING AND MAMMALIAN DEPREDATION AND ITS POTENTIAL IMPACTS ON BICKNELL'S AND SWAINSON'S THRUSH IN NORTHERN NEW BRUNSWICK. Carl-Adam Wegenschimmel and Jay Malcolm, University of Toronto.

P44 ^SINVESTIGATING THE ASSOCIATION OF MIGRATORY SCRUB-BREEDING LANDBIRDS WITH SHRUBBY HABITAT IN TOMMY THOMPSON PARK, TORONTO. Joanna Jack and Jim Rising, University of Toronto.

P45 ^SPHYLOGEOGRAPHY OF A NEOTROPICAL MIGRANT ISOLATED ON MOUNTAIN "ISLANDS". Joel Ralston* and Jeremy Kirchman; University of Albany and New York State Museum.

P46 USING WHATMAN® FTA CARDS TO PRESERVE AVIAN TISSUE SAMPLES. Carla J. Dove* and Faridah Dahlan*, Smithsonian Institution and Daniel Rehner, University of Maryland

P47 SOME ALTITUDINAL RECORDS FOR BIRDS. Robert C. Beason, Sandusky, OH, and Sandra E. Wright* and Michael J. Begier, USDA

P48 INVESTIGATING NOVEL COLONIZATION BEHAVIOUR AND LONG-RANGE DISPERSAL IN AMERICAN WHITE PELICANS. Matthew Reudink*, Christopher Kyle, and Joseph Nocera, Trent University and Ministry of Natural Resources; Christopher Somers, University of Regina; and Kurt Kyser, Queen's University

P49 GRAVEL NEST PATCHES ON ROOFTOPS AS NESTING SUBSTRATE FOR COMMON NIGHTHAWKS (*CHORDEILES MINOR*). Rebecca Suomala*, New Hampshire Audubon; Timothy Hoppe, Pennsylvania Game Commission; Brett Amy Thelen, Ashuelot Valley Environmental Observatory; and Ken Klapper, Antioch University New England

P50 THE POTENTIAL ROLES OF FOOD AND HABITAT AS LIMITING FACTORS FOR CHIMNEY SWIFT POPULATIONS. Leah Finity* and Joseph J. Nocera, Trent University

P51 BREEDING BIRD RESPONSES TO WOODCOCK MANAGEMENT IN THE NULHEGAN BASIN DIVISION OF THE SILVIO O. CONTE NATIONAL FISH AND WILDLIFE REFUGE. Jameson F. Chace*, Salve Regina University; Leslie A. Moffat, Middlebury College; and Thomas LaPointe, US Fish and Wildlife Service.

P52 AN ONLINE SURVEY ASSESSMENT OF THE PAINTED BUNTING OBSERVER TEAM CITIZEN SCIENCE PROJECT IN THE CAROLINAS. Andrew L. Almeter and James A. Rotenberg, University of North Carolina Wilmington

P53 EVALUATING SONGBIRD POPULATION DECLINES AND BREEDING PRODUCTIVITY WITH FALL MIGRATION BANDING DATA. Andrew Vitz*, Robert Mulvihill, and Robert Leberman, Powdermill Carnegie Museum of Natural History.

P54 ROLE OF GRAY CATBIRDS (*DUMETELLA CAROLINENSIS*) IN THE OVERWINTERING OF EASTERN EQUINE ENCEPHALITIS VIRUS. Jennifer C. Owen¹, Mary Garvin*², Amanda Jo Williams¹, Elizabeth A. Miller², Valerie J. Morley², Alexander R. Krohn², and Frank R. Moore¹, ¹Univ. of Southern Mississippi, ; ²Oberlin College.

P55 IDENTIFICATION OF CARBOXYLIC ACIDS AS VOLATILE COMPONENTS OF UROPYGIAL SECRETIONS IN THE GRAY CATBIRD (*DUMETELLA CAROLINENSIS*). Rebecca J. Whelan¹, Tera C. Levin^{1,2}, Jennifer C. Owen³, and Mary C. Garvin*¹, ¹Oberlin College, ²Univ. of California, ³Michigan State Univ.

P56 BIOACOUSTICS AND BANDING: SIMILARITIES AND DIFFERENCES IN NIGHTLY MIGRATION PATTERNS. Lewis Grove*, Emma DeLeon, Andrew Vitz, and Michael Lanzone, Carnegie Museum of Natural History.

P57 COLLISIONS AS IMPORTANT SOURCES OF MORTALITY TO RAPTORS OF THE UNITED STATES AND CANADA. Stephen B. Hager, Augustana College.

P58 DESCRIPTIVE PHENOLOGY AND BREEDING BIOLOGY OF BOREAL CHICKADEES (*POECILE HUDSONICA*) IN SOUTHEASTERN NOVA SCOTIA. Jessica Trout-Haney* and Robert L. Curry, Villanova University.

P59 VARIATION IN THE CHARACTERISTICS OF CHIMNEY SWIFT NESTS. Michael Bennett, Gary Ritchison, and Louise Peppe*, Eastern Kentucky University.

P60 TAIL PUMPING BY EASTERN PHOEBES: AN HONEST, PERSISTENT PREDATOR-DETERRENT SIGNAL? Michelle L. Carder and Gary Ritchison*, Eastern Kentucky University.

P61 EFFECTS OF BREEDING STAGE, AGE, AND BEHAVIORAL CONTEXT ON THE SINGING BEHAVIOR OF INDIGO BUNTINGS. Matt Beckett, Gary Ritchison, and Brad McLeod*, Eastern Kentucky University.

P62 WINTER MOVEMENTS AND HOME RANGES OF ADULT NORTHERN GOSHAWKS IN THE CENTRAL APPALACHIANS. David F. Brinker, Natural Heritage Program, Maryland Department of Natural Resources.

Saturday 11 April

- 8:30 WOS Nice Lecture – Grand Ballroom Room 3/4
Dr. Sidney A. Gauthreaux, Jr., RADAR ORNITHOLOGY AT DIFFERENT SPATIAL SCALES
- 9:30 COFFEE BREAK – BALLROOM FOYER

	Paper Session A – Grand Ballroom Room 3 Nesting – Lindsey Walters	Paper Session B – Grand Ballroom Room 4 Migration – Mark Deuschlander
10:00	38 USE OF SPYCAMS IN NEST BOXES REVEALS THAT FEMALE HOUSE WRENS GIVE FEEDING CALL TO JUST-HATCHED AND YOUNG NESTLINGS. E. Dale Kennedy* and Douglas White, Albion College	46 ^S EVALUATION OF A MOLT-MIGRATION TACTIC IN WOOD THRUSH. Elizabeth Gow*, Bridget Stutchbury, York University and Kurt Kyser, Queen’s University
10:15	39 VARIATION IN ONSET OF INCUBATION IN HOUSE WRENS. Douglas White* and E. Dale Kennedy, Albion College	47 ^S SEASONAL DIFFERENCES IN ENERGETIC CONDITION OF BLACKPOLL WARBLERS. Jason D. Jacobs*, Canisius College; Kristen M. Covino, Husson University; and Sara R. Morris, Canisius College
10:30	40 INFLUENCE OF LANDSCAPE AND HABITAT FEATURES ON THE ABUNDANCE AND NESTING SUCCESS OF BROWN CREEPERS IN THE SOUTHERN SIERRA NEVADA. Kathryn Purcell*, Craig Thompson, and Douglas Drynan, US Forest Service	48 ^S THE INFLUENCE OF ENERGETIC CONDITION ON MIGRATORY DECISIONS OF BLACKPOLL WARBLERS DURING SPRING MIGRATION. Kristen M. Covino*, Husson University; Rebecca L. Holberton, University of Maine; and Sara R. Morris, Canisius College
10:45	41 ^S NEST SITE SELECTION AND NEST THERMAL PROPERTIES OF COMMON NIGHTHAWKS ON THE TALLGRASS PRAIRIE OF KANSAS. Rebecca G. Lohnes* and Janis L. Dickinson, Cornell University and Brett K. Sandercock, Kansas State University	49 USING AUTOMATED MULTIPLE-TOWER TELEMETRY TO MONITOR NOCTURNAL ACTIVITY OF PASSERINES DURING MIGRATION STOPOVERS. Alex Mills*, Atlantic Cooperative Wildlife Ecology Research Network (ACWERN); Beth Thurber and Stuart Mackenzie, University of Western Ontario; and Philip Taylor, ACWERN and Bird Studies Canada (BSC)
11:00	42 ^S ASSOCIATIONS BETWEEN ACTIVITY LEVELS OF NEST PREDATORS AND SONGBIRD NEST PLACEMENT IN URBAN FORESTS. Laura J. Kearns* and Amanda D. Rodewald, The Ohio State University	50 A HIGH FREQUENCY GSM TELEMETRY DEVICE FOR TRACKING WILDLIFE. Michael Lanzone*, Carnegie Museum Of Natural History, Casey Halverson, Cellular Tracking Technologies, and Todd Katzner, The National Aviary

SCIENTIFIC PAPER SESSIONS

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| 11:15 | 43 ^S POST-FLEDGING SURVIVORSHIP ACROSS AN URBANIZING LANDSCAPE. Ian Ausprey* and Amanda Rodewald, School of Environment and Natural Resources, The Ohio State University | 51 FLIGHT CHARACTERISTICS OF GOLDEN EAGLES (<i>AQUILA CHRYSAETOS</i>) MIGRATING THROUGH EASTERN NORTH AMERICA AS DETERMINED BY GPS TELEMETRY. Tricia Miller*, The Pennsylvania State University and Carnegie Museum of Natural History; Michael Lanzone, Carnegie Museum of Natural History; Robert Brooks, The Pennsylvania State University; and Todd Katzner, The National Aviary |
| 11:30 | 44 ^S POSTFLEDGING MOVEMENT BEHAVIOR AND HABITAT USE OF ADULT FEMALE SALTMARSH SHARP-TAILED SPARROWS. ^S Jason Hill*, Pennsylvania State University and Chris Elphick, University of Connecticut | 52 BANDING TOGETHER: AN UPDATE ON THE ACTIVITIES OF THE NORTH AMERICAN BANDING COUNCIL. Sara R. Morris*, Canisius College |
| 11:45 | 45 ^S NATURAL HISTORY OF THE BLACK CATBIRD (<i>MELANOPTILA GLABRIROSTRIS</i>) IN QUINTANA ROO, MÉXICO. Joshua B. LaPergola* and Robert L. Curry, Villanova University; Blanca Roldán Clarà, El Colegio de la Frontera Sur; and Juan Esteban Martínez Gómez, Instituto de Ecología | 53 AN ON-GOING STUDY OF RUBY-THROATED HUMMINGBIRDS, <i>ARCHILOCHUS COLUBRIS</i> , ON NON-BREEDING GROUNDS IN GUANACASTE PROVINCE, COSTA RICA. *Bill Hilton Jr. and Ernesto Carman Jr., Hilton Pond Center for Piedmont Natural History |
| 12:00 – 1:00 | LUNCH | |

SYMPOSIUM: Remote and Automated Technologies for Monitoring Birds – Grand Ballroom Room 3/4
Moderator: Andrew Farnsworth

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| 1:00 | INTRODUCTION – Andrew Farnsworth, Cornell University |
| 1:10 | S1 THE USE OF DIGITAL AVIAN RADARS IN MONITORING BIRD MIGRATION AND MOVEMENTS. Robert C. Beason, Accipiter Radar Technologies, Inc. |
| 1:30 | S2 AN EVALUATION OF THE POTENTIAL FOR USING ACOUSTIC MONITORING TO REMOTELY ASSESS FLYING ANIMAL COLLISIONS AT INDUSTRIAL WIND ENERGY FACILITIES. William R. Evans, Old Bird Inc. |
| 1:50 | S3 AUTOMATED AVIAN TRACKING VIA RADIO-FREQUENCY TIME OF ARRIVAL MEASUREMENTS. Robert MacCurdy*, Rich Gabrielson and David Winkler, Cornell Laboratory of Ornithology |
| 2:10 | S4 APPLYING NESTER (NETWORKED ENVIRONMENTAL SONIC-TOOLKITS FOR EXPLORATORY RESEARCH) TO THE ANALYSIS OF BIRD RECORDINGS. David Tcheng*, University of Illinois at Urbana-Champaign and David Enstrom, Illinois Natural History Survey |

SCIENTIFIC PAPER SESSIONS

WOS-AFO 2009

- 2:30 S5 AUTOMATED ACOUSTIC MONITORING OF WHIP-POOR-WILLS. Russell A. Charif, Michael Pitzrick, Harold Figueroa, and Andrew Farnsworth*, Cornell Laboratory of Ornithology
- 2:50 – 3:05 COFFEE BREAK - BALLROOM FOYER
- 3:05 S6 CALLS OF INDIVIDUAL TRANSIENT SWAIN’S THRUSHES DURING FLIGHT AND STOPOVERS
W.W. Cochran, A. Raim, D.A. Enstrom*, Illinois Natural History Survey and Larry Pater, US Army Engineer Research and Development Center
- 3:15 S7 MID-SUMMER DISPERSAL, NOCTURNAL MOVEMENTS, AND MOLT-MIGRATION OF CHIPPING SPARROWS IN COLORADO: IMPLICATIONS FOR THE VALIDITY OF *SPIZELLA PASSERINA BOREOPHILA* OBERHOLSER, 1955. Ted Floyd, American Birding Association
- 3:35 S8 COMPARING BIOACOUSTICS AND BANDING: SIMILARITIES AND DIFFERENCES IN SEASONAL DATA PATTERNS. Emma DeLeon*, Lewis Grove, Andrew Vitz, and Michael Lanzone, Carnegie Museum of Natural History
- 3:55 S9 PATTERNS OF NOCTURNAL BIRD MIGRATION IN THE CENTRAL APPALACHIANS, DOCUMENTED THROUGH SOUND RECORDING. Deanna Dawson*, USGS Patuxent Wildlife Research Center; Emma DeLeon and Lewis Grove, Powdermill Avian Research Center; and Tim Jones, USFWS Atlantic Coast Joint Venture,
- 4:15 S10 NOCTURNAL BIRD MIGRATION IN THE WESTERN UNITED STATES: SPECIES COMPOSITION AND CALLING PHENOLOGY DATA GATHERED USING AUTONOMOUS RECORDING SYSTEMS. Andrew Farnsworth*, Michael Powers, Anne Klingensmith, Lewis Grove, and Ken Rosenberg, Cornell Laboratory of Ornithology
- 4:35 S11 REMOTE ACOUSTIC RECORDING AND MONITORING OF BIRDS AT THE INDIVIDUAL AND COMMUNITY LEVELS. D.A. Enstrom*, M.P. Ward, A. Celis and Jill Deppe, Illinois Natural History Survey
- 4:55 CONCLUSIONS – Andrew Farnsworth, Cornell Univeristy

6:00 – 7:00	EVENING SOCIAL
7:00 – 9:30	DINNER BANQUET Kings Garden Room