

Scientific Sessions (Student Presentations are shaded)

FRIDAY, MAY 30									
0800	<p>Welcome and Announcements (O'Hare Room 160) <i>2014 Margaret Morse Nice Plenary Lecture (O'Hare Room 160)</i></p>								
0830	<p>Birdsong: The Hour Before Dawn Donald Kroodsma, Hatfield, MA 01038</p>								
0930	A.M. BREAK								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;"> Behavior and Vocalizations Dana Moseley, Chair (O'Hare Room 160) </th> <th style="width: 50%; text-align: center;"> Breeding Biology Christina Riehl, Chair (O'Hare Room 260) </th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <p>1000 Evidence of innate predispositions and learning of female preferences in Swamp Sparrows. Dana L. Moseley, PhD Organismic and Evolutionary Biology Program UMass Amherst</p> </td> <td style="vertical-align: top;"> <p>Effects of natal environment on lifetime fitness in the Florida Scrub-Jay. Ronald L. Mumme, Department of Biology, Allegheny College, Meadville, PA, Reed Bowman* and M. Shane Pruett, Avian Ecology Program, Archbold Biological Station, Venus, FL, and John W. Fitzpatrick, Cornell Lab of Ornithology, Cornell University, Ithaca, NY</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p>1015 Predatory threat in Carolina Chickadees: how do males and females compare? Sarah K. Baillie* and Robert L. Curry, Department of Biology, Villanova University, Villanova, PA 19085</p> </td> <td style="vertical-align: top;"> <p>Cause-specific nest failure in Saltmarsh and Seaside Sparrows. Rebecca A. Kern* and Greg Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p>1030 Team of rivals: alliance formation in territorial songbirds is predicted by vocal signal structure. Sarah E. Goodwin*, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst, MA 01003 and Jeffrey Podos, Department of Biology, University of Massachusetts Amherst, MA 01003</p> </td> <td style="vertical-align: top;"> <p>Latitudinal trends in Saltmarsh Sparrow (<i>Ammodramus caudacutus</i>) nest failure from competing risks. Katharine J. Ruskin*, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Matthew A. Etterson, U.S. Environmental Protection Agency, Mid-Continent Ecology Division, 6201 Congdon Boulevard, Duluth, MN 55803, Brian J. Olsen, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Thomas P. Hodgman, Bird Group, Maine Dept. of Inland Fisheries and Wildlife, 650 State St., Bangor, ME 04401, Chris S. Elphick, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Adrienne I. Kovach, W. Gregory Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19717, Alyssa Borowske, Chris R. Field, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Rebecca A. Kern, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 1971, Jennifer Walsh, Department of Natural Resources and the Environment, University of New Hampshire James Hall, 56 College Road, Durham, NH 03824</p> </td> </tr> </tbody> </table>	Behavior and Vocalizations Dana Moseley, Chair (O'Hare Room 160)	Breeding Biology Christina Riehl, Chair (O'Hare Room 260)	<p>1000 Evidence of innate predispositions and learning of female preferences in Swamp Sparrows. Dana L. Moseley, PhD Organismic and Evolutionary Biology Program UMass Amherst</p>	<p>Effects of natal environment on lifetime fitness in the Florida Scrub-Jay. Ronald L. Mumme, Department of Biology, Allegheny College, Meadville, PA, Reed Bowman* and M. Shane Pruett, Avian Ecology Program, Archbold Biological Station, Venus, FL, and John W. Fitzpatrick, Cornell Lab of Ornithology, Cornell University, Ithaca, NY</p>	<p>1015 Predatory threat in Carolina Chickadees: how do males and females compare? Sarah K. Baillie* and Robert L. Curry, Department of Biology, Villanova University, Villanova, PA 19085</p>	<p>Cause-specific nest failure in Saltmarsh and Seaside Sparrows. Rebecca A. Kern* and Greg Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716</p>	<p>1030 Team of rivals: alliance formation in territorial songbirds is predicted by vocal signal structure. Sarah E. Goodwin*, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst, MA 01003 and Jeffrey Podos, Department of Biology, University of Massachusetts Amherst, MA 01003</p>	<p>Latitudinal trends in Saltmarsh Sparrow (<i>Ammodramus caudacutus</i>) nest failure from competing risks. Katharine J. Ruskin*, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Matthew A. Etterson, U.S. Environmental Protection Agency, Mid-Continent Ecology Division, 6201 Congdon Boulevard, Duluth, MN 55803, Brian J. Olsen, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Thomas P. Hodgman, Bird Group, Maine Dept. of Inland Fisheries and Wildlife, 650 State St., Bangor, ME 04401, Chris S. Elphick, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Adrienne I. Kovach, W. Gregory Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19717, Alyssa Borowske, Chris R. Field, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Rebecca A. Kern, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 1971, Jennifer Walsh, Department of Natural Resources and the Environment, University of New Hampshire James Hall, 56 College Road, Durham, NH 03824</p>
Behavior and Vocalizations Dana Moseley, Chair (O'Hare Room 160)	Breeding Biology Christina Riehl, Chair (O'Hare Room 260)								
<p>1000 Evidence of innate predispositions and learning of female preferences in Swamp Sparrows. Dana L. Moseley, PhD Organismic and Evolutionary Biology Program UMass Amherst</p>	<p>Effects of natal environment on lifetime fitness in the Florida Scrub-Jay. Ronald L. Mumme, Department of Biology, Allegheny College, Meadville, PA, Reed Bowman* and M. Shane Pruett, Avian Ecology Program, Archbold Biological Station, Venus, FL, and John W. Fitzpatrick, Cornell Lab of Ornithology, Cornell University, Ithaca, NY</p>								
<p>1015 Predatory threat in Carolina Chickadees: how do males and females compare? Sarah K. Baillie* and Robert L. Curry, Department of Biology, Villanova University, Villanova, PA 19085</p>	<p>Cause-specific nest failure in Saltmarsh and Seaside Sparrows. Rebecca A. Kern* and Greg Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716</p>								
<p>1030 Team of rivals: alliance formation in territorial songbirds is predicted by vocal signal structure. Sarah E. Goodwin*, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts Amherst, MA 01003 and Jeffrey Podos, Department of Biology, University of Massachusetts Amherst, MA 01003</p>	<p>Latitudinal trends in Saltmarsh Sparrow (<i>Ammodramus caudacutus</i>) nest failure from competing risks. Katharine J. Ruskin*, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Matthew A. Etterson, U.S. Environmental Protection Agency, Mid-Continent Ecology Division, 6201 Congdon Boulevard, Duluth, MN 55803, Brian J. Olsen, School of Biology & Ecology, Climate Change Institute, University of Maine, 5722 Deering Hall, Orono, ME 04469, Thomas P. Hodgman, Bird Group, Maine Dept. of Inland Fisheries and Wildlife, 650 State St., Bangor, ME 04401, Chris S. Elphick, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Adrienne I. Kovach, W. Gregory Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19717, Alyssa Borowske, Chris R. Field, Department of Ecology and Evolutionary Biology, Center for Conservation and Biodiversity, 75 North Eagleville Rd. U-3043, University of Connecticut, Storrs, CT 06269, Rebecca A. Kern, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 1971, Jennifer Walsh, Department of Natural Resources and the Environment, University of New Hampshire James Hall, 56 College Road, Durham, NH 03824</p>								

FRIDAY, MAY 30

	Behavior and Vocalizations Dana Moseley, Chair (O'Hare Room 160)	Breeding Biology Christina Riehl, Chair (O'Hare Room 260)
1045	The fine-tuning of parasitic egg discrimination depends of host age. Csaba Moskat, MTA-ELTE-MTM Ecology Research Group, c/o Hungarian Natural History Museum, Budapest, Baross u. 13., H-1088, Hungary; Miklos Ban, 2MTA-DE "Lendi_let" Behavioural Ecology Research Group, Department of Evolutionary Zoology, University of Debrecen, Debrecen 4010, Hungary ; Mark E. Hauber*, Department of Psychology, Hunter College and the Graduate Center, The City University of New York, New York, NY 10065, USA	Paving the way: functional nest architecture of the Rock Wren. Nat Warning* and Lauryn Benedict, Department of Biology, University of Northern Colorado, Campus Box 92, Greeley, CO 80639
1100	Structure and variation of the warble song in Grasshopper Sparrows (<i>Ammodramus savannarum</i>). Aymen Alqazzaz* and Bernard Lohr, Department of Biological Sciences, University of Maryland Baltimore County, Baltimore, MD 21250	Molt as an indicator of reproductive investment: a comparison of species and sexes. Alyssa Borowske* and Chris Elphick, Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs, CT 06269, and Carina Gjerdrum, Canadian Wildlife Service, Dartmouth, Nova Scotia.
1115	Alarm call responses to predatory threats in breeding House Wrens. Scott DesRosiers*, Douglas White, and E. Dale Kennedy, Biology Department, Albion College, Albion MI 49224	An analysis of extra-pair paternity in Tree Swallows. Jessica Pontow*, Patrick Thorpe, and Michael Lombardo, Department of Biology, Grand Valley State University, Allendale, MI 49401
1130	Playbacks elicit no difference between song types but suggest personality in Carolina Chickadees (<i>Poecile carolinensis</i>). Evan P. Kelemen* and Robert L. Curry, Department of Biology, Villanova University, Villanova, PA, 19085	Evolutionary routes to non-kin cooperative breeding in birds. Christina Riehl, Department of Organismic and Evolutionary Biology, Harvard University, Cambridge MA 02138I
1145	Song Variation in the Puerto Rican Grasshopper Sparrow (<i>Ammodramus savannarum borinquensis</i>). Bernard Lohr* and Archer F. Larned, Department of Biological Sciences, University of Maryland Baltimore County, Baltimore, MD 21250	The role of egg-nest contrast in the rejection of brood parasitic eggs. Zachary Aidala*, Rebecca Croston, Jessica Schwartz, Lainga Tong and Mark E. Hauber, Department of Psychology, Hunter College, City University of New York, New York, NY 10065
1200	LUNCH AFO Luncheon to Remember (Ochre Court; Ticketed Guests Only) Picnic Lunch (Lawn of O'Hare and McAuley Hall; Pickup Lunch in O'Hare Lobby)	

FRIDAY, MAY 30

	Conservation Biology and Management Tim O'Connell, Chair (O'Hare Room 160)	Populations and Movements Mark Deutschlander, Chair (O'Hare Room 260)
1330	Representing hydrologic variability in colonial waterbird models: key processes for wetland ecosystem restoration and management. Dale E. Gawlik, Environmental Science Program, Florida Atlantic University, Boca Raton, FL 33431	What can nocturnal migration traffic measures tell us about diurnal stopover densities of land birds? Jeffrey J. Buler*, Kyle G. Horton, and W. Gregory Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716
1345	Serosurvey for eastern equine encephalitis virus (EEEV) antibody in passerine birds in Maine. Elias Susan P., Maine Medical Center Research Institute; Keenan PC*, Biodiversity Research Institute; Lubelczyk CB, Maine Medical Center Research Institute; Morris SR, Canisius College; Evers DC, Biodiversity Research Institute; Smith RP, Maine Medical Center Research Institute	Using stable isotope analysis to reveal spatial and temporal variation in Blackpoll migration in the Gulf of Maine flyway. Rebecca L. Holberton*, Lab of Avian Biology, School of Biology & Ecology, University of Maine, Orono, ME, USA 04469, Steven L. Van Wilgenburg, Keith A. Hobson, Wildlife & Landscape Science, Environment Canada, Saskatoon, Canada S7N 3H5, Sara R. Morris, Biology Dept., Canisius College, Buffalo, NY, USA 14208
1400	Value added in bird monitoring: capture and banding provide new insights on climate fluctuations. C. John Ralph, Jared Wolfe, Pablo Elizondo, and John Alexander. USDA Forest Service, Redwood Sciences Laboratory, Arcata, California; Klamath Bird Observatory, Ashland, Oregon; and Costa Rica Bird Observatories, San Jose, Costa Rica	Body condition of spring migratory Northern Pintails and measures of plasma lipid metabolites to assess habitat quality in the rainwater basin. Dustin J. Casady, and Letitia M. Reichart*, Department of Biology, University of Nebraska Kearney, Kearney, NE 68849, and Jeffrey Drahota, US Fish and Wildlife Service Rainwater Basin WMD, Funk, NE 68940
1415	Whip-poor-wills are associated with the interface of forest-agriculture habitat in rural West Virginia. Christina Slover* and Todd Katzner, Division of Forestry and Natural Resources, West Virginia University, Morgantown, WV	Individual condition and migratory activity in Semipalmated Sandpipers on stopover in Downeast Maine. Sean Rune* and Rebecca Holberton, School of Biology and Ecology, University of Maine, Orono ME 04469; Lindsay Tudor, Maine Department of Inland Fisheries and Wildlife, Bangor ME 04401

FRIDAY, MAY 30

	Conservation Biology and Management Tim O'Connell, Chair (O'Hare Room 160)	Populations and Movements Mark Deutschlander, Chair (O'Hare Room 260)
1430	Patterns in avian mortality revealed from (near) daily monitoring of window-collisions at a low-rise building. Timothy O'Connell, Dept. of Natural Resource Ecology and Management, Oklahoma State University, 008-C Ag Hall, Stillwater, OK, 74078	Modeling migration and citizen-science data to estimate Golden Eagle (<i>Aquila chrysaetos canadensis</i>) abundance in Eastern North America: Are present estimates too high or low? Andrew Dennhardt*, Todd Katzner, Adam Duerr, George Merovich, Jr., Division of Forestry and Natural Resources West Virginia University, Morgantown, WV 26506, David Brandes, Department of Civil and Environmental Engineering, Lafayette College, Easton, PA 18042
1445	Optimizing the suboptimal: finding a pragmatic solution to tidal marsh bird conservation in the face of sea level rise. Whitney A. Wiest* and W. Gregory Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716, and Kent D. Messer, Department of Applied Economics & Statistics, University of Delaware, Newark, DE 19716	Winter eagle roost dynamics in NW Arkansas. Douglas A. James* and Ben T. Rogers, Department of Biological Sciences, University of Arkansas, Fayetteville, Arkansas 72701
1500	Demography of a Central Amazonian bird community. Jared D. Wolfe ^{1,2} , Luke L. Powell ^{1,3} , Karl S. Mokross ¹ , Erik I. Johnson ^{1,4} and Phil C. Stouffer ¹ . 1. School of Renewable Natural Resources, Louisiana State University Agricultural Center and Louisiana State University, Baton Rouge, Louisiana 70803, USA 2. U.S.D.A. Forest Service, Pacific Southwest Research Station, Redwood Sciences Laboratory, 1700 Bayview Drive, Arcata, CA 95521 3. Smithsonian Institution, Migratory Bird Center, Washington DC, 20013-7012 4. National Audubon Society, Baton Rouge, LA 70808	The biology of local recruitment in Tree Swallows. M. P. Lombardo*, Danielle M. Andrews, Amanda Grant and Patrick A. Thorpe. Department of Biology, Grand Valley State University, Allendale, MI 49401

FRIDAY, MAY 30

1515	<p>Forestry for the birds: The effects of timber stand improvement practices on forest breeding birds in Vermont. David Rankin* and Dr. Noah Perlut, Department of Environmental Studies, University of New England, 11 Hills Beach Road, Biddeford, ME 04005 and Dr. Steven Travis, Department of Biology, University of New England, 11 Hills Beach Road, Biddeford, ME 04005</p>	<p>Population trends of oak woodland birds in central California based on long-term data. Kathryn L. Purcell*, USDA Forest Service, Pacific Southwest Research Station, Fresno, CA 93710, Sylvia R. Mori, USDA Forest Service, Pacific Southwest Research Station, Albany, CA 94710</p>
1530	<i>P.M. BREAK</i>	
	<p>Evolution and Biogeography Mark Hauber, Chair (O'Hare Room 160)</p>	<p>Physiology and Ecotoxicology Meg Hatch, Chair (O'Hare Room 260)</p>
1600	<p>Recent niche divergence and speciation in <i>Catharus thrushes</i>. Alyssa FitzGerald*, Graduate student at State University of New York at Albany, Biological Sciences, 1400 Washington Ave., Albany, NY 12222, and Jeremy J. Kirchman, Curator of Birds, New York State Museum, 3142 Cultural Education Center, Albany, NY 12230</p>	<p>Elimination of methylmercury from songbird tissues. Margaret Whitney and Daniel A. Cristol*, Department of Biology, College of William & Mary, Williamsburg, VA 23187</p>
1615	<p>Habitat suitability model for the White-breasted Thrasher in St. Lucia. Emma Sass*, Jennifer Mortensen and J. Michael Reed, Department of Biology, Tufts University, Medford, MA 02155</p>	<p>Fluctuating asymmetry as a measure of developmental stress in mercury-dosed Zebra Finches. Capwell E. Taylor*, Janice Y. Park, Julia B. Kihm, John P. Swaddle, Daniel A. Cristol, Department of Biology, College of William & Mary, Williamsburg, VA 23187</p>
1630	<p>Rapid climate-mediated movement of a chickadee hybrid zone. Scott Taylor, Wesley Hochachka, and Irby Lovette, Cornell Lab of Ornithology, Ithaca, NY 14850, Thomas White, Dept. of Ecology and Evolutionary Biology, Cornell University, Ithaca, NY 14850, and Valentina Ferretti and Robert Curry*, Dept. of Biology, Villanova University, Villanova PA 19085</p>	<p>Physiological response to prey availability of two wading bird species with opposing foraging strategies in a managed lake ecosystem. Jennifer E. Chastant* and Dale E. Gawlik, Department of Biological Sciences, Florida Atlantic University, Boca Raton, FL 33431</p>

FRIDAY, MAY 30

	Evolution and Biogeography Mark Hauber, Chair (O'Hare Room 160)	Physiology and Ecotoxicology Meg Hatch, Chair (O'Hare Room 260)
1645	Investigating patterns of exogenous selection in an avian hybrid zone. J. Walsh*, A.I. Kovach, R.J. Rowe, Natural Resources and Earth Systems Science, University of New Hampshire, Durham, NH 03824, B.J. Olsen, School of Biology and Ecology, University of Maine, Orono, ME 04469, W.G. Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE 19716	A comparison of immune measures between migrating and breeding songbirds. Margret I. Hatch*, Penn State Worthington Scranton, Dunmore, PA 18512, Robert J. Smith, Department of Biology, University of Scranton, Scranton, PA , and Kristen Covino, Department of Biological Sciences, University of Southern Mississippi, Hattiesburg, MS 39406
1700	The genetics of conservation translocations: A tale of two eagles. Maria Wheeler* and Brady Porter, Department of Biological Sciences, Duquesne University, Pittsburgh, PA 15282, and Todd Katzner, Division of Forestry and Natural Resources, West Virginia University, Morgantown, WV, 26506	How to make a bird ignore a predator: the influence of stress during memory consolidation. Blake C. Jones*, Sara Bebus, and Stephan J. Schoech, Department of Biological Sciences, University of Memphis, Memphis, TN 38104
1715	Egg variation and defenses against brood parasitism in the Rüppels Weaver. David C. Lahti, Department of Biology, Queens College, City University of New York	Avian malaria in East Tennessee. Alix E. Matthews*, Department of Biology, Rhodes College, Memphis, TN 38117 Vincenzo A. Ellis and Robert E. Ricklefs, Department of Biology, University of Missouri at St. Louis, St. Louis, MO 63121, Alison A. Hanson, Jackson R. Roberts, and Michael D. Collins, Department of Biology, Rhodes College, Memphis, TN 38117
1730-1800	WOS Business Session	
1800-1830	AFO Business Session	
1730-1930	OPEN DINNER	
1930-2230	POSTER SESSION (McAuley Hall)* <i>*Posters should be set up before noon on Friday</i>	

SATURDAY, MAY 31

0815	Announcements (O'Hare Room 160) <i>AFO Plenary Lecture</i> (O'Hare Room 160) Barred Owls in the Pacific Northwest: Ecological Impacts on Spotted Owls J. David Wiens	
0830		
0930	A.M. BREAK	
	Ecology, Models and Methods Julia Jedlicka, Chair (O'Hare Room 160)	Foraging and Habitat Ecology Jerry Jackson, Chair (O'Hare Room 260)
1000	Uncovering the diets of Western Bluebirds in California vineyards. Julie A. Jedlicka*, Department of Environmental Science, Policy, and Management, University of California, Berkeley, CA, 94720 and Anh-Thu E. Vo, Museum of Vertebrate Zoology, University of California, Berkeley, CA, 94720	Moon phase and habitat availability drive foraging abundances of Little Blue Herons and Great White Herons at intertidal areas of the lower Florida Keys. Leonardo Calle* and Dale E. Gawlik, Environmental Sciences Program, Florida Atlantic University, Boca Raton, FL, 33431, and Lauri Green, Harbor Branch Oceanographic Institute, Fort Pierce, FL, 34946
1015	Feather degrading bacteria and avian plumage. Cody M. Kent*, Jack M. Stenger, and Edward H. Burt Jr., Ohio Wesleyan University, Delaware, OH	Wading bird prey selection and colony survival as a function of hydrologic patterns. Jessica A Klassen* and Dale E Gawlik, Department of Biological Sciences, Florida Atlantic University, Boca Raton, FL 33431
1030	Riparian forests and the expansion of eastern songbirds in Oklahoma. Emily Sinnott* and Dr. Timothy O'Connell, Department of Natural Resource Ecology and Management, Oklahoma State University, Stillwater, OK 74074	Diet, fecundity and calcium limitation in breeding songbirds. Zachary S. Ladin*, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE, 19716, Vincent D'Amico, US Forest Service, Northern Research Station, Newark, DE 19716, Deb P. Jaisi, Department of Plant and Soil Sciences, University of Delaware, Newark, DE, 19716, and Greg Shriver, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE, 19716
1045	A habitat suitability model of wading birds on a large subtropical lake: Correlating hydrology and nesting. Richard A. Botta* and Dale E. Gawlik, Environmental Sciences Program, Florida Atlantic University, Boca Raton, FL 33431	How beavers influence habitat and species diversity of breeding birds in the Central Adirondacks. Carissa Alza* and Stacy McNulty, Department of Environmental and Forest Biology, State University of New York College of Environmental Science and Forestry, Syracuse, NY 13210, John Stella, Department of Forest and Natural Resources Management, State University of New York College of Environmental Science and Forestry, Syracuse, NY 13210

SATURDAY, MAY 31

	Ecology, Models and Methods Julia Jedlicka, Chair (O'Hare Room 160)	Foraging and Habitat Ecology Jerry Jackson, Chair (O'Hare Room 260)
1100	Does accounting for imperfect detection during point counts have to be expensive? Chris Field*, Ecology and Evolutionary Biology, UConn, Storrs, CT 06269, Carina Gjerdrum, Dartmouth, NS B2Y 2N6, Susan Meiman, Institute for Wildlife Studies, Arcata, CA 95518, and Chris Elphick, Ecology and Evolutionary Biology, UConn, Storrs, CT 06269	Predator abundance and community composition at two quail recovery sites: associated predation risk for declining population of Northern Bobwhite. Fidelis Akunke Atuo*, Department of Natural Resource Ecology and Management, Oklahoma State University, Timothy John O'Connell, Department of Natural Resource Ecology and Management, Oklahoma State University
1115	Inhomogeneous point collection and the importance of time as a variable in estimating territory dynamics. Oliver Muellerklein* and Bernard Lohr, Department of Biological Sciences, University of Maryland, Baltimore County (UMBC), Catonsville, MD 21250	Loggerhead Shrike nest dispersion and nest-site fidelity in Southwest Florida. Bette J.S. Jackson, Department of Biological Sciences, Florida Gulf Coast University, Ft. Myers, FL, Jerome A. Jackson*, S. Brent Jackson, Department of Marine and Ecological Sciences, Florida Gulf Coast University, Ft. Myers, FL
1130	Phenology of understory birds in high rainfall tropical rainforest in Papua New Guinea. Andrew L. Mack- Indo-Pacific Conservation Alliance	Bacterial growth inhibition of the uropygial gland secretions of Passerines in South Carolina. Kristen Oliver*, Jennifer S. Borgo, Coker College, Hartsville, South Carolina, Rebecca Heiss, South Carolina Governor's School for Science and Mathematics
1145	Patch and landscape level effects on breeding birds in urban forest fragments. Greg Shriver*, Department of Entomology & Wildlife Ecology, University of Delaware, Newark, DE, Vincent D'Amico III NRS-04, USDA Forest Service, Newark, DE, Zach Ladin, Jeff Buler, Department of Entomology & Wildlife Ecology, University of Delaware, Newark, DE	The impact of whitebark pine (<i>Pinus albicaulis</i>) on Clark's Nutcracker (<i>Nucifraga columbiana</i>) habitat selection. Taza Schaming, Ph.D. Candidate, Department of Natural Resources, Cornell University, NY 14853
1200	Lunch	

SATURDAY, MAY 31

	<p style="text-align: center;">Symposium – Ospreys in New England and Long Island: From the era of DDT to the age of satellite telemetry Rob Bierregaard, Chair (O’Hare Room 160)</p>	<p style="text-align: center;">Symposium – Pulp truth or fiction: fruit composition, diet choice, the health and performance of avian frugivores and its important conservation implications Susan Smith Pagano, Chair (O’Hare Room 260)</p>
1300	<p>Assessing long-term population trends of nesting Ospreys in the post-DDT era (1977 to 2012) in Rhode Island. Eric Walsh* Audubon Society of Rhode Island, Smithfield, Rhode Island 02917 and Department of Natural Resources Science, University of Rhode Island, Kingston, Rhode Island 02881, Dr. Peter Paton Department of Natural Resources Science, University of Rhode Island, Kingston, Rhode Island 02881, Dr. Gavino Puggioni Department of Computer Science and Statistics, University of Rhode Island Kingston, RI, 02881</p>	<p>Fruit composition and pharmaceuticals: why birds should care. Navindra P. Seeram, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island, Kingston RI 02881</p>
1330	<p>Past and current distribution of Ospreys in Connecticut Julie Victoria, retired Wildlife Biologist, Connecticut Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106</p>	<p>Why birds eat fruits: in search of nutritional satisfaction. Scott R. McWilliams, Professor, Department of Natural Resources Science, University of Rhode Island, Kingston, RI 02881</p>
1400	<p>Massachusetts Ospreys, 1970-2012: population dynamics of the core nesting colonies. Alan F. Poole*, Cornell Lab of Ornithology, Ithaca, NY 14850, and Rob O. Bierregaard, Academy of Natural Sciences of Drexel University, Philadelphia, PA 19103</p>	<p>Keeping fruit chemistry in context: fruit removal rate depends on neighborhood fruit density, frugivore abundance, and spatial context Adam D. Smith* and Scott R. McWilliams, Department of Natural Resources Science, University of Rhode Island, Kingston, RI 02881</p>
1430	<p>The famous Connecticut River Osprey colony succeeds n the Long Island Sound alewife/menhaden sanctuary. Paul R. Spitzer, 31672 Old Orchard Rd. Trappe, MD 21673.</p>	<p>Dietary antioxidants and exercise affect how females allocate nutrients to their eggs. Megan M. Skrip*, Graduate Research Assistant, Department of Natural Resources Science, University of Rhode Island, Kingston, RI 02881, Scott R. McWilliams, Professor, Department of Natural Resources Science, University of Rhode Island, Kingston, RI 02881</p>
1500	<p>P.M. BREAK</p>	

SATURDAY, MAY 31

	<p style="text-align: center;">Symposium – Ospreys in New England and Long Island: From the era of DDT to the age of satellite telemetry Rob Bierregaard, Chair (O’Hare Room 160)</p>	<p style="text-align: center;">Symposium – Pulp truth or fiction: fruit composition, diet choice, the health and performance of avian frugivores and its important conservation implications Susan Smith Pagano, Chair (O’Hare Room 260)</p>
1530	<p>The Massachusetts Osprey population with an emphasis on Cape Cod. Mark Faherty, Mass Audubon/Wellfleet Bay Wildlife Sanctuary, South Wellfleet, MA 02663</p>	<p>Fruit chemistry of native and invasive plants and the physiological implications for migratory birds. Susan B. Smith, Thomas H. Gosnell School of Life Sciences, Rochester Institute of Technology, Rochester, NY, 14623</p>
1600	<p>The inland Ospreys of New Hampshire: Life in a freshwater environment. Iain MacLeod, Executive Director, Squam Lakes Natural Science Center</p>	<p>Multidimensional fluorescence of fruits: a novel technique for the fingerprinting of nutritional quality. Todd Pagano*, Laboratory Science Technology Program, Rochester Institute of Technology, Rochester, NY, 14623, Susan B. Smith, Thomas H. Gosnell School of Life Sciences, Rochester Institute of Technology, Rochester, NY, 14623, Morgan Bida, Laboratory Science Technology Program, Rochester Institute of Technology, Rochester, NY, 14623 Stephanie Schroeder, Thomas H. Gosnell School of Life Sciences, Rochester Institute of Technology, Rochester, NY, 14623</p>
1630	<p>A moveable feast: Foraging behavior in adult male Ospreys Richard O. Bierregaard, Academy of Natural Sciences of Drexel University, Philadelphia, PA</p>	
1730-1830	<p style="text-align: center;">WOS President’s Reception (Members and Invited Guests Only; Ochre Court Drawing Room)</p>	
1800-2200	<p style="text-align: center;">Reception and Banquet (Ticketed Guests Only; Ochre Court)</p>	

Poster Session: Friday, May 30 (19:00 – 21:00, McAuley Hall)
(Student Posters are shaded)

P-1	Changes in the Feather Microbiota in the Nest Lining of Tree Swallows (<i>Tachycineta bicolor</i>) During the Reproductive Cycle. Kyle Davis*, Big Walnut High School, Sunbury, OH and Edward H. Burttt, Jr. Department of Zoology, Ohio Wesleyan University, Delaware, OH 43015
P-2	Opportunity knocks: making the most of seminars. Sara R. Morris,* Jeanette Baker, Chase La Due, Macy Madden, Daniel Miller, Austin Nottingham, Joseph Pittari, Claire Taberski, Matthew LeFauve, Susan Aronica, and Susan Margulis, Biology Department, Canisius College, Buffalo, NY 14208
P-3	Monitoring restoration efforts for 21 years at Galilee Bird Sanctuary, Rhode Island: Is salt marsh restoration for the birds? Peter W.C. Paton, Department of Natural Resources Science, University of Rhode Island, Kingston RI 02881
P-4	A novel approach to examining incubation behavior of a biparental avian species. Stephanie Y. Chin* and Daniel A. Cristol, Institute for Integrative Bird Behavior Studies, Department of Biology, College of William and Mary, Williamsburg, VA, 23185
P-5	To flee or not to flee: The impact of colony-wide disturbances on male risk-taking in the Village Weaver (<i>Ploceus cucullatus</i>). Bobby Habig* ^{1,2} and David C. Lahti ² 1 Department of Biology, Queens College, City University of New York 65-30 Kissena Blvd. Flushing, NY 11367 2 University of Notre Dame, 100 Galvin Life Sciences Center, Notre Dame, IN 46556
P-6	Extra-territorial movements by Eastern Whip-poor-wills. Pamela Hunt*, NH Audubon, Concord, NH 03301, Kyle Parent, Plymouth State University, Plymouth, NH 03264
P-7	Impacts of Internal Parasites on Movements, Immunocompetence and Survival of Nestling American Robins. Bethany Krebs, Program in Ecology, Evolution and Conservation Biology, University of Illinois at Urbana-Champaign, Champaign, IL 61820 Jeff Brawn, Department of Natural Resources and Environmental Sciences, University of Illinois at Urban-Champaign, Champaign, IL 61820
P-8	Facultative adjustment of pre-fledging mass recession by nestling Chimney Swifts. Sagan Goodpaster and Gary Ritchison*, Department of Biological Sciences, Eastern Kentucky University, Richmond, KY 40475
P-9	Psychophysical properties of egg rejection decisions by hosts of parasitic birds. Lainga Tong*, Hunter College, The City University of New York, New York, USA Rebecca Croston, The Graduate Center of The City University of New York, New York, USA Csaba Moskat, Hungarian Academy of Sciences, Budapest, Hungary Mark E. Hauber, Hunter College and the Graduate Center of The City University of New York, New York, USA
P-10	Red-Shouldered Hawk Egg Morphology Before and After the Introduction of DDT. Amber De Jong and Bill Brown*, Division of Natural Sciences, Keuka College, Keuka Park, NY
P-11	Patterns of Parental Attentiveness in Carolina Chickadees (<i>Poecile carolinensis</i>). Christie Eldredge* and Robert Curry, Department of Biology, Villanova University, Villanova, PA 19085
P-12	Carolina Chickadees' parental provisioning rates do not predict nestling size. Danielle Frevola*, Elizabeth Nickell, Amy Wing, and Lindsey Walters, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY 41099
P-13	Are Carolina Chickadee nestlings affected by parasitic bird blow fly larvae? Zachary Holtkamp* and Lindsey Walters, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY 41099

P-14	Incubation patterns of Carolina Chickadees (<i>Poecile carolinensis</i>) measured with remote temperature data analysis. Brittany Jones*, Cassie Volker, and Lindsey Walters, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY 41099
P-15	Does House Wren aggression impact the success of nearby bird nests? Patrick J. Brown and Todd J. Underwood*, Department of Biology, Kutztown University, Kutztown, PA 19530, and William P. Brown, Division of Natural Sciences, Keuka College, Penn Yan, NY 14478
P-16	Changes in the Phenology of Spring Bird Migration in Cincinnati Ohio. Carol Trosset, Independent, Belchertown MA 01007.
P-17	Age and Gender Population Demographics for Managed and Unmanaged Double-crested Cormorants in Lake Michigan. Crissa K. Coeey1*, Brian S. Dorr2, Katie-C. Hanson Dorr2, James T. Anderson1, Hillar Klandorf3 1West Virginia University, Division of Forestry and Natural Resources, PO Box 6125, Morgantown, WV 26506, USA 2USDA/WS/National Wildlife Research Center, Mississippi Field Station, MS State University, MS 39762, USA 3West Virginia University, Division of Animal and Nutritional Sciences, PO Box 6108, Morgantown, WV 26506, USA
P-18	Factors that affect tidal marsh bird diversity in the saco estuary of Southern Maine. Murphy*, Perlut and Morgan. Department of Environmental Science, University of New England, Biddeford, ME 04005
P-19	The mite community of hawks, eagles and falcons. James R. Philips, Math/Science Division, Babson College, Babson Park MA 02457
P-20	Using remote satellite imagery and population censuses at three spatial scales to address New Hampshire statewide declines in Canada Warblers (<i>Cardellina canadensis</i>). Mysti Martin* and Leonard Reitsma, Department of Biology, Plymouth State University, Plymouth, NH 03264
P-21	Population viability of an endangered avian cooperative breeder following habitat loss. Jennifer Mortensen* and J. Michael Reed, Department of Biology, Tufts University, Medford, MA 01255
P-22	Response of wintering sparrows to prairie restoration in southeastern Texas. Richard R. Schaefer *, D. Craig Rudolph, J. Howard Williamson, USDA, Forest Service, Southern Research Station, Nacogdoches, TX 75965 Rusty Plair, USDA, Forest Service, Sam Houston National Forest, New Waverly, TX 77358 Clifford E. Shackelford, Texas Parks and Wildlife Department, Nacogdoches, TX 75965 Joshua B. Pierce, USDA, Forest Service, Southern Research Station, Nacogdoches, TX 75965 Dan Jones, Texas Parks and Wildlife Department, Huntsville, TX 77342
P-23	Conserving Grassland Bird Habitat on Private Land in the Upper Valley. Jamie Sydoriak*, Center for the Environment, Plymouth State University, Plymouth, NH 03264, Rosalind Renfrew, Vermont Center for Ecostudies, Norwich, VT 05055, and Pamela Hunt, New Hampshire Audubon, Concord, NH 03301.
P-24	The Effects of Methylmercury Exposure on Plasma Testosterone in Zebra Finches. Rachel Ellick*, Kaylor Wright, Molly Ross, Jessica Spickler, Nelson Wu, Claire Varian-Ramos, Eric Bradley, Dan Cristol, Department of Biology, College of William and Mary, Williamsburg, VA 23185
P-25	Are Song Birds Exposed to Contaminants from Natural Gas Drilling in Pennsylvania? J. Stratford, W. Biggers, K. Rauschmeier*, C. Bartlow, N. Lamoreaux, C. Dempsey, Department of Biology and Health Sciences, Wilkes University, PA 18766
P-26	Mercury Accumulation in Red-winged Blackbirds in the New York Metropolitan Area and its Effects on Nestling Growth. Allisyn Gillet Compton-Drew Investigative Learning Center Middle School, St. Louis, MO 63110; Chad Seewagen* Department of Biology and Health Sciences, Pace University, Pleasantville, NY 10570 and Natural Resources Department, AKRF Inc., White Plains, NY 10601

P-27	Do social and environmental factors influence vigilance in two Australian songbirds? Gregory Tito*, Institute for Integrative Bird Behavior Studies, Department of Biology, College of William and Mary, Williamsburg, VA, Vera Ivezic, Department of Biology, Cornell University, Ithaca, NY, Samantha Lantz, Tulane University, New Orleans, LA, and Dr. John Swaddle, Institute for Integrative Bird Behavior Studies, Department of Biology, College of William and Mary, Williamsburg, VA
P-28	Overwinter habitat use of Swainson's Thrush in East Andean foothills of Ecuador derived from telemetry. Daniel Inzerillo*, Department of Biological Sciences, Plymouth State University, Plymouth, NH 03264 Keith Larson, Abisko Climate Research Station, Vetenskapens väg 38, Sweden, SE-981 07 Joseph Smith, PO Box 784, North Cape May, NJ, 08204 Leonard Reitsma, Department of Biological Sciences, Plymouth State University, Plymouth, NH 03264
P-29	Habitat associations of Common Nighthawks (<i>Chordeiles minor</i>) in southeastern South Dakota, northeastern Nebraska, and northwestern Iowa. Gretchen N. Newberry* and David L. Swanson, Department of Biology, University of South Dakota Vermillion, SD 57069
P-30*	Whip-poor-wills are associated with the interface of forest-agriculture habitat in rural West Virginia. Christina Slover* and Todd Katzner, Division of Forestry and Natural Resources, West Virginia University, Morgantown, WV *(Changed to Oral Presentation)
P-31	Response of bird populations in the Connecticut College Arboretum to sixty years of vegetation and landscape change. Mary Buchanan* and Robert Askins, Biological Sciences Department, and Chad Jones, Botany Department, Connecticut College, New London, CT 06320
P-32	Avian biodiversity and recruitment in NH. Maegen Bassett*, Masters Candidate, Department of Biology, Plymouth State University, Plymouth, NH 03264, and L. R. Reitsma, Professor of Zoology, Department of Biology, Plymouth State University, Plymouth, NH 03264
P-33	Bird use of grassland habitat patches at a military airfield. Richard A. McKinney*, US Environmental Protection Agency, Narragansett, RI; Peter B. Trimble, Massachusetts Military Reserve, Bourne, MA; Kathleen A. Schweitzer, US Coast Guard, Civil Engineering Unit, Providence, RI; Elizabeth L. Kirkpatrick, US Coast Guard, Air Station Cape Cod, Environmental Health and Safety, Bourne, MA
P-34	Evaluating the effect of a conservation easement as a fall migratory bird stopover site. Dakota Cowell*, Jameson F. Chace and Alexandra Igo, Department of Biology and Biomedical Sciences, Salve Regina University, Newport, RI 02840, and Susan Meschwitz, Department of Chemistry, Salve Regina University, Newport, RI 02840
P-35	Changes in spring stopover ecology in western Pennsylvania across 51 years. Luke DeGroot, Powdermill Nature Reserve, Carnegie Museum of Natural History, Rector, PA 15677
P-36	Do migratory warblers carry excess fuel reserves during migration for insurance or for breeding purposes? Jennalee A. Holzschuh, Dept. of Environmental Science and Biology, SUNY College at Brockport, Brockport, NY 14420, and Mark E. Deutschlander*, Dept. of Biology, Hobart and William Smith Colleges, Geneva, NY 14456.
P-37	Preliminary investigation of plasma lipid metabolites for a spring migratory bird in central Nebraska. Loany Fajardo* and Letitia M. Reichart, Department of Biology, University of Nebraska Kearney, Kearney, NE 68849
P-38	Autumn phenology of songbirds migrating through coastal Massachusetts. Elizabeth R. Ellwood, Department of Biological Science, Florida State University, Tallahassee, FL 32306, Amanda S. Gallinat* and Richard B. Primack, Department of Biology, Boston University, 5 Cummington Mall, Boston, MA 02215, and Trevor L. Lloyd-Evans, Manomet Center for Conservation Sciences, 125 Manomet Point Road, Plymouth, MA
P-39	A longitudinal study to examine the causal relationship between energetic condition and orientation in White-throated sparrows (<i>Zonotrichia albicollis</i>). Jennalee A. Holzschuh*, Dept. of Environmental Science and Biology, SUNY College at Brockport, Brockport, NY 14420, and Mark E. Deutschlander, Dept. of Biology, Hobart and William Smith Colleges, Geneva, NY 14456

P-40	Evaluation of stopover habitat quality by comparing habitat use by residents and short-distance migrant sparrows in a coastal shrubland of Rhode Island. Jennifer Kane*, Kristin L. McDermott* and Jameson F. Chace, Department of Biology and Biomedical Sciences, Salve Regina University, Newport, RI 02840
P-41	Preliminary investigation of creatine kinase levels for spring migratory bird in central Nebraska. Krissa Lewandowski* and Letitia M. Reichart, Department of Biology, University of Nebraska Kearney, Kearney, NE 68849
P-42	Prevalence of Plasmodium in Nearctic-Neotropical Migrants compared with Tropical and Temperate Residents. Marrisa J. Simpson* and Jameson F. Chace, Department of Biology and Biomedical Sciences, Salve Regina University, Newport, RI 02840
P-43	Basic transect training and the monitoring of terrestrial birds in a tropical archipelago, the Galápagos Islands. Nivia LUZURIAGA* ^{1,2} , Frédéric JIGUET ^{1*} , Jean-Yves BARNAGAUD ⁴ , Sophie VERAN ⁵ , Pierre-Yves HENRY ² Author affiliation 1 UMR 7204 MNHN-CNRS-UPMC, Muséum National d'Histoire Naturelle, 55 rue Buffon, CP 51, 75005 Paris, France 2 UMR 7179 MNHN-CNRS, Muséum National d'Histoire Naturelle, 1 avenue du Petit Château, 91800 Brunoy, France 4 UMR BIOGECO Biodiversity, Genes & Community, Institut National de la Recherche Agronomique INRA, Bordeaux, 69 route d'Arcachon, 33612 Cestas, Cedex - France 5CGBP, Institut National de la Recherche Agronomique, INRA 34988 Montferrier-sur-Lez, cedex, France
P-44	The influence of environmental heterogeneity on winter ranging in the red-backed fairy-wren, <i>Malurus melanocephalus</i>. Erik N Iverson*, Department of Ecology and Evolutionary Biology, Tulane University, New Orleans, LA 70118 Payton M Phillips, Biology Department, College of William & Mary, Williamsburg, VA 23186, Jordan Karubian, Department of Ecology and Evolutionary Biology, Tulane University, New Orleans, LA 70118, John Swaddle, Biology Department & Institute for Integrated Bird Behavior Studies, College of William & Mary, Williamsburg, VA 23186, Mike Webster, Department of Neurobiology and Behavior, Cornell University, 14850, Ithaca, NY 14850, Sam Lantz, Department of Ecology and Evolutionary Biology, Tulane University, New Orleans, LA 70118
P-45	Non-migratory flight response explains inter-specific variation in soaring flight behavior of New World vultures. Julie Mallon* and Todd Katzner, Division of Forestry and Natural Resources, West Virginia University, Morgantown, WV 26506 and Keith Bildstein, Hawk Mountain Sanctuary, Acopian Center for Conservation Learning, Orwigsburg, PA 17961.
P-46	Why's everybody always tick'n on me? Roy, Christine M.*, Sarah H. Schneider, James R. Miller, and Brian F. Allan.
P-47	Plasma Metabolites in the Eared Grebe during its Non-migratory Period. Allison Yoshida*, Marine Science and Environmental Studies Department, University of San Diego, San Diego, CA 92037 Hugh Ellis, Department of Biology, University of San Diego, San Diego, CA 92037 Scott McWilliams, Biological and Environmental Sciences, University of Rhode Island, Kingston, RI 02881
P-48	Population biology of Red-winged Blackbirds on the Lake Erie Islands. Dr. James Marshall, Professor, Rockford University, Rockford, IL 61108, Sarah Winnicki*, undergraduate Denison University, Granville, OH 43023
P-49	Mate Attraction Dominates the Behavior of a Colonially Breeding Bird. Khaleda Khan* and David C. Lahti, Department of Biology, Queens College-CUNY, Flushing, NY 11367
P-50	Differential responses of warblers to flight calls. Lauren Parker, Hannah Elsinghorst*, Kaitlin Garrity*, Stephen Johnson, and Sara Morris, Biology Department, Canisius College, Buffalo, NY 14208
P-51	Geographic Variation in Nelson's Sparrow Song. Laura E. Hilberg, Antioch University New England

P-52	Change of syntactical structure of songs of house finch (<i>Carpodacus mexicanus</i>) across the geographic range. Chenghui Ju*, Frances C. Geller, and David C. Lahti Department of Biology, Queens College, City University of New York, Flushing, NY 11367
P-53	Daily and seasonal song patterning in Grasshopper Sparrows (<i>Ammodramus savannarum</i>). Ki Jung* and Bernard Lohr, Department of Biological Sciences, University of Maryland Baltimore County, Baltimore, MD 21250
P-54	Nestling House Wrens respond to playbacks of food calls. E. Dale Kennedy*, Douglas White, and Kala Mapes, Biology Department, Albion College, Albion MI 49224
P-55	Song recognition in black-capped and Carolina chickadee hybrids: an experimental approach. John Szot* and Dr. Robert Curry, Department of Biology, Villanova University, Villanova, PA, 19085.
P-56	Impacts of the Urban Environment on Corticosterone Levels in Black-Capped Chickadee and Tufted Titmice. Skye Sloman*, Jameson F. Chace, Rebecca Simmons and Rachel Porter, Department of Biology and Biomedical Sciences, Salve Regina University, Newport, RI, 02840
P-57	Model caterpillars to assess urbanization effects on insectivory: a call for collaborators. Jeff Stratford* and Mike Steele, Wilkes University, PA 18766 Sal Agosta, VCU Center for Environmental Studies, 1000 W. Cary St., Room 105, P.O. Box 843050, Richmond, VA 23284-3050