

Table of Contents

Source: The Auk, 135(3)

Published By: American Ornithological Society

URL: https://doi.org/10.1642/AUK-2018.135.3.toc



Volume 135, Issue 3, July 2018 DOI: 10.1642/AUK-2018.135.3.toc

CONTENTS

RESEARCH ARTICLES

SPACING PATTERNS AND HABITAT USE

- Migratory routes and wintering locations of declining inland North American Common Terns by Annie Bracey, Simeon Lisovski, David Moore, Ann McKellar, Elizabeth Craig, Sumner Matteson, Fred Strand, Jeffrey Costa, Cynthia Pekarik, Paul Curtis, Gerald Niemi, and Francesca Cuthbert
- 449 Using radio frequency identification (RFID) to investigate the gap-crossing decisions of Black-capped Chickadees (*Poecile atricapillus*) by Jacob M. Bailey, Matthew W. Reudink, Stefanie E. LaZerte, Mark Paetkau, Chris J. Johnson, David J. Hill, and Ken A. Otter
- 477 Biological responses of Crested and Least auklets to volcanic destruction of nesting habitat in the Aleutian Islands, Alaska by Gary Drew, John F. Piatt, and Jeff Williams
- Evidence of widespread movements from breeding to molting grounds by North American landbirds by Peter Pyle, James F. Saracco, and David F. DeSante
- Prolonged stopover and consequences of migratory strategy on local-scale movements within a regional songbird staging area by Jennifer R. Smetzer and David I. King
- Confirmed year-round residence and land roosting of Whiskered Auklets (*Aethia pygmaea*) at Buldir Island, Alaska by Carley R. Schacter and Ian L. Jones

REPRODUCTIVE AND BREEDING BIOLOGY

- Sex differences in early determinants of lifetime reproductive success in a polygynous bird: Should mothers adjust offspring sex ratios? by Juan G. Rubalcaba and Vicente Polo
- **Temporal and multi-spatial environmental drivers of duck nest survival** by Kevin M. Ringelman, Johann Walker, James K. Ringelman, and Scott E. Stephens
- Examination of context-dependent effects of natal traits on lifetime reproductive success using a long-term study of a temperate songbird by Corey E. Tarwater, Ryan R. Germain, and Peter Arcese
- Experimental test for a trade-off between successful nesting and survival in capital breeders with precocial offspring by Kiel L. Drake, Ray T. Alisauskas, and Anna M. Calvert
- Parental incubation patterns and the effect of group size in a Neotropical cooperative breeder by Jennifer L. Mortensen and J. Michael Reed
- Variation in nest characteristics and brooding patterns of female Black-throated Blue Warblers is associated with thermal cues by Maria G. Smith, Sara A. Kaiser, T. Scott Sillett, and Michael S. Webster

METHODS AND STATISTICS

409 Characterizing spatio-temporal variation in survival and recruitment with integrated population models by Richard B. Chandler, Jeff Hepinstall-Cymerman, Samuel Merker, Heather Abernathy-Conners, and Robert J. Cooper

MOLT BIOLOGY

- The trade-off between molt and parental care in Hooded Warblers: Simultaneous rectrix molt and uniparental desertion of late-season young by Ronald L. Mumme
- Evidence for a prealternate molt-migration in the Rufous Hummingbird and its implications for the evolution of molts in Apodiformes by Desmond Sieburth and Peter Pyle

BEHAVIOR AND PHYSIOLOGY

- 439 Ecological determinants of *Tyrannus* flycatcher nestling growth at north-and south-temperate latitudes by Diego T. Tuero, Alex E. Jahn, Michael S. Husak, Diane V. Roeder, Diego A. Masson, Florencia M. Pucheta, Tyler J. Michels, Aaron Quickle, Julián Q. Vidoz, Marisol Domínguez, and Juan C. Reboreda
- 534 Energy for the road: Influence of carbohydrate and water availability on fueling processes in autumn-migrating passerines by Adi Domer, Ofer Ovadia, and Eyal Shochat

MIGRATION AND ORIENTATION

- **Automated telemetry reveals staging behavior in a declining migratory passerine** by James R. Wright, Luke L. Powell, and Christopher M. Tonra
- 572 Classic pattern of leapfrog migration in Sooty Fox Sparrow (*Passerella iliaca unalaschcensis*) is not supported by direct migration tracking of individual birds by Kevin C. Fraser, Amélie Roberto-Charron, Bruce Cousens, Michael Simmons, Ann Nightingale, Amanda C. Shave, Renée L. Cormier, and Diana L. Humple

COMMUNICATION AND SENSORY ECOLOGY

521 Song and aggressive signaling in Bachman's Sparrow by Sabah Ali and Rindy Anderson

PHYLOGEOGRAPHY

- 561 Biogeographic origins of Darwin's finches (Thraupidae: Coerebinae) by Erik R. Funk and Kevin J. Burns
- 716 Concerted Pleistocene dispersal and genetic differentiation in passerine birds from the Tres Marías Archipelago, Mexico by Marco Fabio Ortiz-Ramírez, Luis A. Sánchez-González, Gabriela Castellanos-Morales, Juan Francisco Ornelas, and Adolfo G. Navarro-Sigüenza

FORAGING ECOLOGY

Identifying the diet of a declining prairie grouse using DNA metabarcoding by Daniel S. Sullins, David A. Haukos, Joseph M. Craine, Joseph M. Lautenbach, Samantha G. Robinson, Jonathan D. Lautenbach, John D. Kraft, Reid T. Plumb, Jonathan H. Reitz, Brett K. Sandercock, and Noah Fierer

MORPHOLOGY AND ANATOMY

Repeatability of a dynamic sexual trait: Skin color variation in the Brown Booby (Sula leucogaster) by Bibiana Montoya, César Flores, and Roxana Torres

POPULATION BIOLOGY AND ECOLOGY

Extreme drought alters frequency and reproductive success of floaters in Willow Flycatchers by Tad C. Theimer, Mark K. Sogge, Suzanne N. Cardinal, Scott L. Durst, and E. H. Paxton

PARASITES AND DISEASES

- Penguin ectoparasite panmixia suggests extensive host movement within a colony by Katherine L. Moon, Peter Dann, Steven L. Chown, Angela McGaughran, and Ceridwen I. Fraser
- Malarial infection alters wax ester composition of preen oil in songbirds: Results of an experimental study by Leanne A. Grieves, Tosha R. Kelly, Mark A. Bernards, and Elizabeth A. MacDougall-Shackleton
- **Common Loons respond adaptively to a black fly that reduces nesting success** by Walter H. Piper, Keren B. Tischler, and Andrew Reinke

BEHAVIOR AND BEHAVIORAL ECOLOGY

The role of divergent mating strategies, reproductive success, and compatibility in maintaining the Saltmarsh–Nelson's sparrow hybrid zone by Jennifer Walsh, Logan M. Maxwell, and Adrienne I. Kovach

SYSTEMATICS AND NOMENCLATURE

A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergence by Stepfanie M. Aguillon, Leonardo Campagna, Richard G. Harrison, and Irby J. Lovette

PHYSIOLOGY AND BIOCHEMISTRY

777 **Keratin nanofiber distribution and feather microstructure in penguins** by Felicia B. Kulp, Liliana D'Alba, Matthew D. Shawkey, and Julia A. Clarke

SUPPLEMENT TO THE AOS CHECK-LIST OF NORTH AMERICAN BIRDS

798 **Fifty-ninth Supplement to the American Ornithological Society's** *Check-list of North American Birds* by R. Terry Chesser, Kevin J. Burns, Carla Cicero, Jon L. Dunn, Andrew W. Kratter, Irby J. Lovette, Pamela C. Rasmussen, J. V. Remsen, Jr., Douglas F. Stotz, Benjamin M. Winger, and Kevin Winker

IN MEMORIAM

- 814 Sir Patrick Bateson FRS, 1938–2017 by Ted R. Anderson
- 816 **Stephen W. Eaton, 1918–2017** by Ted R. Anderson

AWARDS

818 AOS Early Professional Awards 2018 to Kristen Covino and Scott Taylor by Katie M. Dugger