



Table of Contents

Source: The Auk, 133(2)

Published By: American Ornithological Society

URL: <https://doi.org/10.1642/AUK-2016.133.2.toc>

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.



CONTENTS

RESEARCH ARTICLES

PHYSIOLOGY AND BIOCHEMISTRY

- 131 **Darker eggshell spotting indicates lower yolk antioxidant level and poorer female quality in the Eurasian Great Tit (*Parus major*)** by Rita Hargitai, Gergely Nagy, Márton Herényi, Zoltán Nyiri, Miklós Laczi, Gergely Hegyi, Zsuzsanna Eke, and János Török
- 147 **Nondestructive Raman spectroscopy confirms carotenoid-pigmented plumage in the Pink-headed Duck** by Daniel B. Thomas and Helen F. James

PARASITES AND DISEASES

- 155 **Isolation and characterization of bacteria from the feathers of wild Dark-eyed Juncos (*Junco hyemalis*)** by John W. Dille, Christopher M. Rogers, and Mark A. Schneegurt
- 308 **Red-crested Cardinals use color and width as cues to reject Shiny Cowbird eggs** by Luciano N. Segura, Facundo G. Di Sallo, Bettina Mahler, and Juan C. Reboresda

FORAGING ECOLOGY

- 168 **Diet reconstruction using next-generation sequencing increases the known ecosystem usage by a shorebird** by Travis G. Gerwing, Jin-Hong Kim, Diana J. Hamilton, Myriam A. Barbeau, and Jason A. Addison
- 178 **Dietary divergence in the most sexually size-dimorphic bird** by Carolina Bravo, Carlos Ponce, Luis M. Bautista, and Juan C. Alonso

LIFE HISTORY AND REPRODUCTIVE BIOLOGY

- 198 **Nest size is not closely related to breeding success in Blue Tits: A long-term nest-box study in a Mediterranean oak habitat** by Marcel M. Lambrechts, Pascal Marrot, Amélie Fargevieille, Pablo Giovannini, Annick Lucas, Virginie Demeyrier, Afiwa Midamegbe, Philippe Perret, Arnaud Grégoire, Anne Charmantier, and Claire Doutrelant
- 231 **Association between nest defense and egg rejection behavior of Brown-breasted Bulbuls (*Pycnonotus xanthorrhous*)** by Tongping Su, Canchao Yang, Guoxian Liang, Changqing Ding, and Wei Liang
- 251 **Individual quality and double-brooding in a highly synchronous songbird population** by Allison Cornell and Tony D. Williams
- 261 **Nestling growth rates in relation to food abundance and weather in the Arctic** by Jonathan H. Pérez, Jesse S. Krause, Helen E. Chmura, Shae Bowman, Michaela McGuigan, Ashley L. Asmus, Simone L. Meddle, Kathleen E. Hunt, Laura Gough, Natalie T. Boelman, and John C. Wingfield
- 286 **Subtle benefits of cooperation to breeding males of the Red-backed Fairywren** by Ahva L. Potticary, Jenéle L. Dowling, Douglas G. Barron, Daniel T. Baldassarre, and Michael S. Webster
- 298 **Opportunistic conspecific brood parasitism in a box-nesting population of Prothonotary Warblers (*Protonotaria citrea*)** by Anna M. Tucker, Rodney J. Dyer, Sarah K. Huber, and Lesley P. Bulluck

SPACING PATTERNS AND HABITAT USE

- 205 **Wing size-related reed habitat selection by Great Reed Warbler (*Acrocephalus arundinaceus*) males** by Thomas Oliver Méré, Antun Žuljević, Katalin Varga, and Szabolcs Lengyel

POPULATION BIOLOGY AND DEMOGRAPHY

- 213 **How connectivity shapes genetic structure during range expansion: Insights from the Virginia's Warbler** by Christine M. Bubac and Garth M. Spellman

MIGRATION AND ORIENTATION

- 237 **Stopover biology of Ruby-throated Hummingbirds (*Archilochus colubris*) during autumn migration** by Theodore J. Zenzal, Jr., and Frank R. Moore

COMMUNICATION AND SENSORY ECOLOGY

- 273 **Vocal imitation of mother's calls by begging Red-backed Fairywren nestlings increases parental provisioning** by Diane Colombelli-Négrel, Michael S. Webster, Jenéle L. Dowling, Mark E. Hauber, and Sonia Kleindorfer

COMMENTARY

- 129 **Comment on Jukema et al. (2015), "Geographic variation in morphometrics, molt, and migration suggests ongoing subspeciation in Pacific Golden-Plovers (*Pluvialis fulva*)"** by Alice Cibois and Frederick H. Sheldon

CORRECTIONS

- 236 **Erratum 2: First global census of the Adélie Penguin** by H. J. Lynch and M. A. LaRue
- 316 **Erratum: Identical metabolic rate and thermal conductance in Rock Sandpiper (*Calidris ptilocnemis*) subspecies with contrasting nonbreeding life histories** by Daniel R. Ruthrauff, Anne Dekinga, Robert E. Gill, Jr., and Theunis Piersma

100 YEARS AGO IN THE AOU

- 317 **100 Years Ago in the American Ornithologists' Union** by Kimberly G. Smith

BOOK REVIEW

- 320 ***On the Wing: Insects, Pterosaurs, Birds, Bats and the Evolution of Animal Flight*** by David E. Alexander, reviewed by Colin J. Pennycuik

IN MEMORIAM

- 322 **Robert W. Dickerman, 1926–2015** by Andrew Johnson