

Table of Contents

Source: The Auk, 135(4)

Published By: American Ornithological Society

URL: <https://doi.org/10.1642/AUK-2018.135.4.toc>

The BioOne Digital Library (<https://bioone.org/>) provides worldwide distribution for more than 580 journals and eBooks from BioOne's community of over 150 nonprofit societies, research institutions, and university presses in the biological, ecological, and environmental sciences. The BioOne Digital Library encompasses the flagship aggregation BioOne Complete (<https://bioone.org/subscribe>), the BioOne Complete Archive (<https://bioone.org/archive>), and the BioOne eBooks program offerings ESA eBook Collection (<https://bioone.org/esa-ebooks>) and CSIRO Publishing BioSelect Collection (<https://bioone.org/csiro-ebooks>).

Your use of this PDF, the BioOne Digital Library, 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 Digital Library 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 is an innovative nonprofit that 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

REVIEW

- 834 **Ten years tracking the migrations of small landbirds: Lessons learned in the golden age of bio-logging** by Emily A. McKinnon and Oliver P. Love

RESEARCH ARTICLES

POPULATION BIOLOGY AND ECOLOGY

- 821 **Variation in inbreeding rates across the range of Northern Spotted Owls (*Strix occidentalis caurina*): Insights from over 30 years of monitoring data** by Mark P. Miller, Susan M. Haig, Eric D. Forsman, Robert G. Anthony, Lowell Diller, Katie M. Dugger, Alan B. Franklin, Tracy L. Fleming, Scott Gremel, Damon B. Lesmeister, Mark Higley, Dale R. Herter, and Stan G. Sovern
- 908 **Effects of drought on brood parasite body condition, follicle development, and parasitism: Implications for host–parasite dynamics** by Valerie L. Buxton, Wendy M. Schelsky, Than J. Boves, Scott Summers, Patrick J. Weatherhead, and Jinelle H. Sperry
- 975 **Effects of climate change and environmental variability on the carrying capacity of Alaskan seabird populations** by Holly F. Goyert, Edward O. Garton, and Aaron J. Poe
- 1064 **Variation in age-dependent nest predation between island and continental Rufous Fantail (*Rhipidura rufifrons*) subspecies** by Lindsey Nietmann and Renee R. Ha
- 1087 **Factors influencing Northern Bobwhite recruitment, with implications for population growth** by Mark D. McConnell, Adrian P. Monroe, Richard Chandler, William E. Palmer, Shane D. Wellendorf, L. Wes Burger, Jr., and James A. Martin

BEHAVIOR AND PHYSIOLOGY

- 857 **Why do crows attack ravens? The roles of predation threat, resource competition, and social behavior** by Benjamin G. Freeman and Eliot T. Miller
- 998 **Is there a context-dependent advantage of extra-pair mating in Tree Swallows?** by Amos Belmaker, Kelly K. Hallinger, Rebecca A. Glynn, Mark F. Haussmann, and David W. Winkler

GENETICS AND GENOMICS

- 868 **Population genetics of Alaska Common Raven show dispersal and isolation in the world's largest songbird** by Christin L. Pruett, Tianyu Li, and Kevin Winker

MIGRATION AND ORIENTATION

- 881 **Follow the rain? Environmental drivers of *Tyrannus* migration across the New World** by Maggie P. MacPherson, Alex E. Jahn, Michael T. Murphy, Daniel H. Kim, Victor R. Cueto, Diego T. Tuero, and Elliot D. Hill
- 964 **Where do winter crows go? Characterizing partial migration of American Crows with satellite telemetry, stable isotopes, and molecular markers** by Andrea K. Townsend, Blaire Frett, Anne McGarvey, and Conor C. Taff
- 992 **Prevalent transoceanic fall migration by a 30-gram songbird, the Bobolink** by Noah G. Perlut

EVOLUTIONARY HISTORY AND PALEONTOLOGY

- 895 **Pleistocene fossils from Japan show that the recently extinct Spectacled Cormorant (*Phalacrocorax perspicillatus*) was a relict** by Junya Watanabe, Hiroshige Matsuoka, and Yoshikazu Hasegawa

REPRODUCTIVE AND BREEDING BIOLOGY

- 919 **Experimentally quantifying the effect of nest-site depth on the predation risk and breeding success of Blue Tits** by Rienk W. Fokkema, Richard Ubels, and Joost M. Tinbergen
- 1020 **The pyriform egg of the Common Murre (*Uria aalge*) is more stable on sloping surfaces** by Tim R. Birkhead, Jamie E. Thompson, and Robert Montgomerie
- 1033 **Sex-specific nestling growth in an obligate brood parasite: Common Cuckoo males grow larger than females** by Milica Požgayová, Radka Piálková, Marcel Honza, and Petr Procházka
- 1100 **Diel fledging patterns among grassland passerines: Relative impacts of energetics and predation risk** by Christine A. Ribic, Christoph S. Ng, Nicola Koper, Kevin Ellison, Pamela J. Pietz, and David J. Rugg
- 1113 **Brood size influences patterns of DNA methylation in wild Zebra Finches (*Taeniopygia guttata*)** by Elizabeth L. Sheldon, Aaron W. Schrey, Alexandria K. Ragsdale, and Simon C. Griffith

SPACING PATTERNS AND HABITAT USE

- 933 **Summertime resource selection and reproductive effects on survival of Ruffed Grouse** by Joelle M. Mangelinckx, Samantha R. B. Davis, R. Bradford Allen, Kelsey Sullivan, and Erik J. Blomberg
- 949 **Using automated radio telemetry to quantify activity patterns of songbirds during stopover** by Lynn N. Schofield, Jill L. Deppe, Theodore J. Zenzal, Jr., Michael P. Ward, Robert H. Diehl, Rachel T. Bolus, and Frank R. Moore
- 1076 **Overlap and selection of dust-bathing sites among three sympatric montane galliform species** by Bin Wang, Yu Xu, Bo Zhang, Yongjie Wu, Xingcheng He, Jianghong Ran, and Tao Zeng

SYSTEMATICS AND NOMENCLATURE

- 1009 **Taxonomic review of the rhinocryptid genus *Eleoscytalopus* (I): Bahia Tapaculo (*E. psychopompus*) is vocally and morphologically distinct from White-breasted Tapaculo (*E. indigoticus*)** by Leonardo Amaral de Moraes, Marcos Ricardo Bornschein, Cassiano Augusto Ferreira Rodrigues Gatto, Sidnei Sampaio dos Santos, and Giovanni Nachtigall Maurício
- 1146 **A striking, critically endangered, new species of hillstar (Trochilidae: *Oreotrochilus*) from the southwestern Andes of Ecuador** by Francisco Sornoza-Molina, Juan F. Freile, Jonas Nilsson, Niels Krabbe, and Elisa Bonaccorso

MOLT BIOLOGY

- 1043 **Timing and duration of primary molt in Northern Hemisphere skuas and jaegers** by Rob S. A. van Bemmelen, Rohan H. Clarke, Peter Pyle, and Kees (C. J.) Camphuysen
- 1055 **Feather growth rate increases with latitude in four species of widespread resident Neotropical birds** by Ryan S. Terrill

MOLECULAR ECOLOGY

- 1133 **Similar hybrid composition among different age and sex classes in the Myrtle–Audubon's warbler hybrid zone** by David P. L. Toews, Irby J. Lovette, Darren E. Irwin, and Alan Brelsford

COMMENTARY

- 1123 **Expanding the traditional definition of molt-migration** by Christopher M. Tonra and Matthew W. Reudink

100 YEARS AGO IN THE AOU

- 1172 **100 Years Ago in the American Ornithologists' Union** by Leesia C. Marshall

BOOK REVIEWS

- 1175 *Far from Land: The Mysterious Lives of Seabirds* by Michael Brooke, reviewed by Joanna Burger
- 1177 *The Cornell Lab of Ornithology Handbook of Bird Biology, third edition* edited by Irby J. Lovette and John W. Fitzpatrick, reviewed by James D. Paruk

IN MEMORIAM

- 1179 **Martin Keli McNicholl, 1946–2017** by Spencer G. Sealy
- 1182 **Alexander Cruz, 1941–2018** by Catherine P. Ortega, Yan Linhart, and Carl E. Bock
- 1185 **Robert F. Andrie, 1927–2017** by Wayne K. Gall and Gerald R. Rising
- 1187 **James Larry Ingold, 1951–2018** by Laurence Hardy

AWARDS

- 1188 **2018 AOS William Brewster Memorial Award to Bette A. Loiselle** by Keith A. Hobson, Craig W. Benkman, Elizabeth P. Derryberry, Patricia G. Parker, and Joseph M. Wunderle
- 1189 **2018 Elliott Coues Award to Peter P. Marra** by Keith A. Hobson, Craig W. Benkman, Elizabeth P. Derryberry, Patricia G. Parker, and Joseph M. Wunderle
- 1190 **2018 AOS Ralph W. Schreiber Conservation Award to John Sauer** by Keith A. Hobson, Craig W. Benkman, Elizabeth P. Derryberry, Patricia G. Parker, and Joseph M. Wunderle
- 1191 **2018 Marion Jenkinson Service Award to Nicholas A. Mason** by Barbara Kus
- 1192 **2018 Student Research Awards** by Matthew D. Carling and Morgan W. Tingley

ANNUAL THANKS TO REVIEWERS

- 1195 **Thank You to the Reviewers of the 2018 *Auk*, Volume 135** by Mark E. Hauber and T. Scott Sillett