

Cover

Source: The Auk, 129(4)

Published By: American Ornithological Society

URL: https://doi.org/10.1525/auk.2012.129.4.cover

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.

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

The Auk

Vol. 129, No. 4, October 2012



THE

Pages

CONTENTS

Perspectives in Ornithology

589 Adaptive breeding-habitat selection: Is it for the birds? *Anna D. Chalfoun and Kenneth A. Schmidt*

RESEARCH ARTICLES

BEHAVIOR AND BEHAVIORAL ECOLOGY

- GREATER SAGE-GROUSE (CENTROCERCUS UROPHASIANUS)
 SELECT NEST SITES AND BROOD SITES AWAY FROM AVIAN
 PREDATORS. Jonathan B. Dinkins, Michael R. Conover,
 Christopher P. Kirol, and Jeffrey L. Beck
- 611 STABLE ASSOCIATIONS WITHIN FLOCKS OF GREATER SNOW GEESE (CHEN CAERULESCENS ATLANTICA):
 DO THEY EXIST BEYOND FAMILY BONDS?
 Meggie Desnoyers, Gilles Gauthier, and Josée Lefebvre
- 623 HIGH LEVELS OF RELATEDNESS BETWEEN
 BROWN-HEADED COWBIRD (MOLOTHRUS ATER)
 NESTMATES IN A HEAVILY PARASITIZED HOST
 COMMUNITY. James W. Rivers, Sarah Young,
 Elena G. Gonzalez, Brent Horton, Justin Lock,
 and Robert C. Fleischer
- 632 WHEN AND WHY DOES MY MOTHER LEAVE ME? THE QUESTION OF BROOD DESERTION IN THE DOVEKIE (ALLE ALLE). Katarzyna Wojczulanis-Jakubas and Dariusz Jakubas
- 638 EXPERIMENTAL EVIDENCE THAT NESTING DUCKS
 USE MAMMALIAN URINE TO ASSESS PREDATOR
 ABUNDANCE. Michael W. Eichholz, John A. Dassow,
 Joshua D. Stafford, and Patrick J. Weatherhead

METHODS AND STATISTICS

- 645 LARGE-SCALE MONITORING OF SHOREBIRD
 POPULATIONS USING COUNT DATA AND N-MIXTURE
 MODELS: BLACK OYSTERCATCHER (HAEMATOPUS
 BACHMANI) SURVEYS BY LAND AND SEA.
 James E. Lyons, J. Andrew Royle, Susan M. Thomas,
 Elise Elliott-Smith, Joseph R. Evenson, Elizabeth G. Kelly,
 Ruth L. Milner, David R. Nysewander, and Brad A. Andres
- Use of feather loss intervals to estimate molt duration and to sample feather vein at equal time intervals through the primary replacement. Sievert Rohwer and Kristin Broms
- 660 SEXUALLY SELECTED SIGNALING IN BIRDS: A CASE FOR BAYESIAN CHANGE-POINT ANALYSIS OF BEHAVIORAL ROUTINES. Tobias Roth, Philipp Sprau, Marc Naguib, and Valentin Amrhein

MIGRATION

One species but two patterns: Populations of the Hudsonian Godwit (*Limosa Haemastica*) differ in spring migration timing. *Nathan R. Senner*

- 683 SITE-SPECIFIC VARIATION IN FOOD RESOURCES, SEX RATIOS, AND BODY CONDITION OF AN OVERWINTERING MIGRANT SONGBIRD. Jason M. Townsend, Christopher C. Rimmer, Kent P. McFarland, and James E. Goetz
- 691 CHANGES IN THE ANNUAL CYCLE OF NORTH AMERICAN RAPTORS ASSOCIATED WITH RECENT SHIFTS IN MIGRATION TIMING. Josh Van Buskirk

PALEONTOLOGY

699 A MARABOU (CICONIIDAE: LEPTOPTILOS) FROM THE MIDDLE PLEISTOCENE OF NORTHEASTERN CHINA. Zihui Zhang, Yunping Huang, Helen F. James, and Lianhai Hou

PARASITES AND DISEASE

- 707 Arbovirus infection is a major determinant of fitness in House Sparrows (*Passer domesticus*) that invade Cliff Swallow (*Petrochelidon pyrrhonota*) colonies. *Valerie A. O'Brien and Charles R. Brown*
- 716 BLOOD PARASITE INFECTION AND HETEROZYGOSITY IN PURE AND GENETIC-HYBRID GOLDEN-WINGED WARBLERS (VERMIVORA CHRYSOPTERA) ACROSS CANADA. Rachel Vallender, Roger D. Bull, Laurel L. Moulton, and Raleigh J. Robertson

POPULATION BIOLOGY AND DEMOGRAPHY

- 725 Annual survival of Red Knots (Calidris canutus rufa) wintering in Florida. Amy C. Schwarzer, Jaime A. Collazo, Lawrence J. Niles, Janell M. Brush, Nancy J. Douglass, and H. Franklin Percival
- 734 EL NIÑO-SOUTHERN OSCILLATION INFLUENCES
 ANNUAL SURVIVAL OF A MIGRATORY SONGBIRD
 AT A REGIONAL SCALE. Joseph A. LaManna,
 T. Luke George, James F. Saracco, M. Philip Nott,
 and David F. DeSante
- 744 CARRY-OVER EFFECTS OF WINTER CLIMATE ON SPRING ARRIVAL DATE AND REPRODUCTIVE SUCCESS IN AN ENDANGERED MIGRATORY BIRD, KIRTLAND'S WARBLER (SETOPHAGA KIRTLANDII). Sarah M. Rockwell, Carol I. Bocetti, and Peter P. Marra

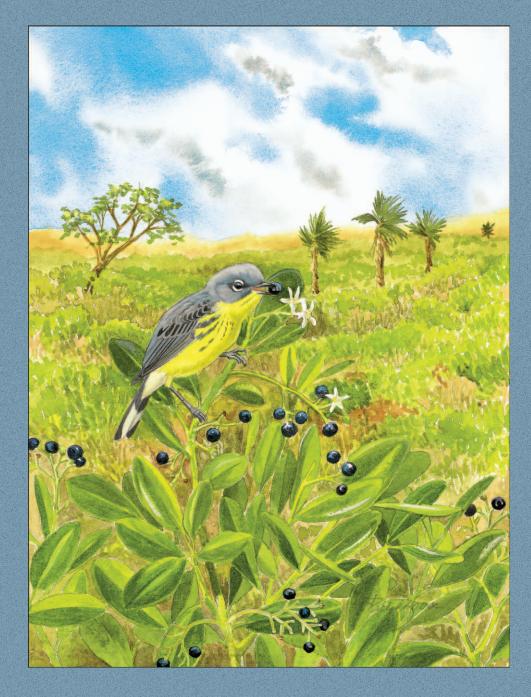
REPRODUCTIVE AND BREEDING BIOLOGY

753 SHIFTS IN BREEDING PHENOLOGY AS A RESPONSE TO POPULATION SIZE AND CLIMATIC CHANGE: A COMPARISON BETWEEN SHORT- AND LONG-DISTANCE MIGRANT SPECIES. Aggeliki Doxa, Alexandre Robert, Alain Crivelli, Giorgos Catsadorakis, Theodoros Naziridis, Harris Nikolaou, Frederic Jiguet, and Konstantinos Theodorou

(Continued on inside back cover)

& The Auk

VOLUME 129, NUMBER 4, OCTOBER 2012
AN INTERNATIONAL JOURNAL OF ORNITHOLOGY



PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

Downloaded From: https://bioone.org/journals/The-Auk on 02 Jan 2025 Terms of Use: https://bioone.org/terms-of-use