

Cover

Source: The Auk, 129(1)

Published By: American Ornithological Society

URL: https://doi.org/10.1525/auk.2012.129.1.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. 1, January 2012



THE

CONTENTS

Perspectives in Ornithology

1 REGULATORY MECHANISMS THAT UNDERLIE PHENOLOGY, BEHAVIOR, AND COPING WITH ENVIRONMENTAL PERTURBATIONS: AN ALTERNATIVE LOOK AT BIODIVERSITY. John C. Wingfield

RESEARCH ARTICLES

BEHAVIOR AND BEHAVIORAL ECOLOGY

- 8 ATTITUDES AND ACTIONS TOWARD BIRDS IN URBAN AREAS: HUMAN CULTURAL DIFFERENCES INFLUENCE BIRD BEHAVIOR. Barbara Clucas and John M. Marzluff
- 17 Increased investigation of manipulated clutches suggests egg recognition without rejection in a Brown-headed Cowbird (Molothrus ater) host, the Yellow Warbler (Setophaga petechia). Mélanie F. Guigueno and Spencer G. Sealy

BEHAVIOR AND PHYSIOLOGY

26 EGGSHELL SPOTTING DOES NOT PREDICT MALE INCUBATION BUT MARKS THINNER AREAS OF A SHOREBIRD'S SHELLS. Martin Bulla, Miroslav Šálek, and Andrew G. Gosler

COMMUNITY ECOLOGY

36 CLEANING ASSOCIATIONS BETWEEN BIRDS AND HERBIVOROUS MAMMALS IN BRAZIL: STRUCTURE AND COMPLEXITY. Cristina Sazima, Pedro Jordano, Paulo R. Guimarães Jr., Sérgio F. Dos Reis, and Ivan Sazima

CONSERVATION BIOLOGY

44 RANGEWIDE POPULATION GENETIC STRUCTURE
OF XANTUS'S MURRELET (SYNTHLIBORAMPHUS
HYPOLEUCUS). Tim P. Birt, Harry R. Carter,
Darrell L. Whitworth, Anne McDonald, Scott H. Newman,
Franklin Gress, Eduardo Palacios, Josh S. Koepke, and
Vicki L. Friesen

EVOLUTION AND GENETICS

56 Speciation of flightless rails on islands: A DNA-based phylogeny of the typical rails of the Pacific. *Jeremy J. Kirchman*

INTERDISCIPLINARY RESEARCH

70 Introduction of the Great-tailed Grackle (Quiscalus mexicanus) by Aztec Emperor Auitzotl: Provenance of the Historical Account. Paul D. Haemig

METHODS AND STATISTICS

76 OBSERVER EFFECTS AND AVIAN-CALL-COUNT SURVEY QUALITY: RARE-SPECIES BIASES AND OVERCONFIDENCE. Robert G. Farmer, Marty L. Leonard, and Andrew G. Horn

PALAEONTOLOGY

- 87 A FOSSIL ALBATROSS FROM THE EARLY OLIGOCENE OF THE NORTH SEA BASIN. Gerald Mayr and Thierry Smith
- 96 A NEW SPECIES OF OLIGO-MIOCENE DARTER (AVES: ANHINGIDAE) FROM AUSTRALIA.

 Trevor H. Worthy

POPULATION BIOLOGY AND DEMOGRAPHY

- 105 RELIABILITY OF OCCUPANCY AND BINOMIAL MIXTURE MODELS FOR ESTIMATING ABUNDANCE OF GOLDEN-CHEEKED WARBLERS (SETOPHAGA CHRYSOPARIA). Jason W. Hunt, Floyd W. Weckerly, and James R. Ott
- 115 VARIABLE RESOURCE AVAILABILITY WHEN RESOURCE REPLENISHMENT IS CONSTANT: THE COUPLING OF PREDATORS AND PREY. Craig W. Benkman, Trevor Fetz, and Matt V. Talluto
- 124 RECRUITMENT OF CASSIN'S AUKLET
 (PTYCHORAMPHUS ALEUTICUS): INDIVIDUAL
 AGE AND PARENTAL AGE EFFECTS. Derek E. Lee,
 Peter M. Warzybok, and Russell W. Bradley

REPRODUCTIVE AND BREEDING BIOLOGY

- 133 FEMALES CHOOSE MULTIPLE MATES IN THE LEKKING GREATER PRAIRIE-CHICKEN (TYMPANUCHUS CUPIDO). Brian D. Hess, Peter O. Dunn and Linda A. Whittingham
- 140 DELAYED NESTING BY FEMALE CANADA GEESE (BRANTA CANADENSIS): BENEFITS AND COSTS.

 Michael R. Conover
- 147 Species and temporal factors affect predatorspecific rates of nest predation for forest songbirds in the Midwest. W. Andrew Cox, Frank R. Thompson III, and John Faaborg

Systematics

156 A MOLECULAR PHYLOGENY OF BLACK-TYRANTS (TYRANNIDAE: KNIPOLEGUS) REVEALS STRONG GEOGRAPHIC PATTERNS AND HOMOPLASY IN PLUMAGE AND DISPLAY BEHAVIOR.

Peter A. Hosner and Robert G. Moyle

(Continued on inside back cover)

The Auk

VOLUME 129, NUMBER 1, JANUARY 2012
AN INTERNATIONAL JOURNAL OF ORNITHOLOGY



PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

Downloaded From: https://bioone.org/journals/The-Auk on 19 Apr 2024 Terms of Use: https://bioone.org/terms-of-use