



# BioOne COMPLETE

---

## Table of Contents

Source: The Auk, 129(1)

Published By: American Ornithological Society

URL: <https://doi.org/10.1525/auk.2012.129.1.toc>

---

BioOne Complete ([complete.BioOne.org](http://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](http://www.bioone.org/terms-of-use).

---

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





## 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 EGG SHELL 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. Kirchner*

#### 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 PREDATOR-SPECIFIC 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*



# The Auk

VOLUME 129, NUMBER 1, JANUARY 2012

AN INTERNATIONAL JOURNAL OF ORNITHOLOGY

THE AUK

Vol. 129, No. 1, Pages 1-196

January 2012



PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

(Continued on inside back cover)



## Contents (continued)



### COMMENTARY

- 168 STATUS, BIOLOGY, AND CONSERVATION PRIORITIES FOR NORTH AMERICA'S EASTERN GOLDEN EAGLE (*AQUILA CHRYSAETOS*) POPULATION. *Todd Katzner, Brian W. Smith, Tricia A. Miller, David Brandes, Jeff Cooper, Michael Lanzone, Daniel Brauning, Christopher Farmer, Sergio Harding, David E. Kramar, Craig Koppie, Charles Maisonneuve, Mark Martell, Elizabeth K. Mojica, Charlie Todd, Junior A. Tremblay, Maria Wheeler, David F. Brinker, Tony E. Chubbs, Rolf Gubler, Kieran O'Malley, Scott Mehus, Brady Porter, Robert P. Brooks, Bryan D. Watts, and Keith L. Bildstein*

### MEMORIALS

- 177 IN MEMORIAM: DAVID B. MARSHALL, 1926–2011. *Alan L. Contreras*
- 179 IN MEMORIAM: BERYL PATRICIA HALL, 1917–2010. *AOU Committee on Memorials*

### BOOK REVIEWS

- 180 BOOK REVIEWS. *Edited by R. Todd Engstrom*

### AWARDS

- 185 WILLIAM BREWSTER MEMORIAL AWARD, 2011: *Sandra Vehrencamp*
- 187 ELLIOTT COUES AWARD, 2011: *Timothy Birkhead*
- 189 NED K. JOHNSON YOUNG INVESTIGATOR AWARD, 2011: *Alice Boyle*
- 191 RALPH W. SCHREIBER CONSERVATION AWARD, 2011: *Robert Ridgely*
- 193 MARION A. JENKINSON AOU SERVICE AWARD, 2011: *John W. Fitzpatrick*

### POSTSCRIPT

- 194 100 YEARS AGO IN THE AMERICAN ORNITHOLOGISTS' UNION. *Kimberly G. Smith*
- 196 ERRATA

SPANISH TRANSLATION: CARLOS DANIEL CADENA, CINTIA CORNELIUS, AND LUCIO R. MALIZIA  
FRENCH TRANSLATION: HÉLÈNE SÉNÉCHAL