





CONTENTS

RAPID COMMUNICATIONS

- 615 MALTREATED NESTLINGS EXHIBIT CORRELATED MALTREATMENT AS ADULTS: EVIDENCE OF A "CYCLE OF VIOLENCE" IN NAZCA BOOBIES (*SULA GRANTI*). *Martina S. Müller, Elaine T. Porter, Jacquelyn K. Grace, Jill A. Awkerman, Kevin T. Birchler, Alex R. Gunderson, Eric G. Schneider, Mark A. Westbrock, and David J. Anderson*

PERSPECTIVES IN ORNITHOLOGY

- 620 GENETIC INTROGRESSION: AN INTEGRAL BUT NEGLECTED COMPONENT OF SPECIATION IN BIRDS. *Frank E. Rheindt and Scott V. Edwards*

RESEARCH ARTICLES

BEHAVIOR AND BEHAVIORAL ECOLOGY

- 633 SITE FIDELITY AND LIFETIME TERRITORIAL CONSISTENCY OF OVENBIRDS (*SEIURUS AUROCAPILLA*) IN A CONTIGUOUS FOREST. *Michael J. Bernard, Laurie J. Goodrich, Walter M. Tzilkowski, and Margaret C. Brittingham*
- 643 ENERGY INTAKE, KLEPTOPARASITISM RISK, AND PREY CHOICE BY GLAUCOUS-WINGED GULLS (*LARUS GLAUCESCENS*) FORAGING ON SEA STARS. *Justin P. Suraci and Lawrence M. Dill*
- 651 DYNAMIC HABITAT SELECTION BY TWO WADING BIRD SPECIES WITH DIVERGENT FORAGING STRATEGIES IN A SEASONALLY FLUCTUATING WETLAND. *James M. Beerens, Dale E. Gawlik, Garth Herring, and Mark I. Cook*

BEHAVIOR AND PHYSIOLOGY

- 663 EFFECTS OF INCUBATION DELAY ON VIABILITY AND MICROBIAL GROWTH OF WOOD DUCK (*AIX SPONSA*) EGGS. *Johnathan G. Walls, Gary R. Hepp, and Lori G. Eckhardt*

CONSERVATION BIOLOGY

- 671 FILM DOCUMENTATION OF THE PROBABLY EXTINCT IMPERIAL WOODPECKER (*CAMPEPHILUS IMPERIALIS*). *Martjan Lammerink, Tim W. Gallagher, Kenneth V. Rosenberg, John W. Fitzpatrick, Eric Liner, Jorge Rojas-Tomé, and Patricia Escalante*

EVOLUTION AND GENETICS

- 678 CONVERGENT GAINS OF RED CAROTENOID-BASED COLORATION IN THE NEW WORLD BLACKBIRDS. *Nicholas R. Friedman, Lynna M. Kiere, and Kevin E. Omland*

- 688 MAINTENANCE OF A HYBRID ZONE: THE ROLE OF FEMALE MATE CHOICE. *Jane M. Hughes, Alicia Toon, Peter B. Mather, and Corinna L. Lange*

PHYLOGEOGRAPHY

- 696 PHYLOGEOGRAPHY OF THE BARRED OWL (*STRIX VARIA*): SPECIES LIMITS, MULTIPLE REFUGIA, AND RANGE EXPANSION. *George F. Barrowclough, Jeff G. Groth, Karan J. Odom, and Jonas E. Lai*

POPULATION BIOLOGY AND DEMOGRAPHY

- 707 EFFECTS OF EXTREME CLIMATE EVENTS ON ADULT SURVIVAL OF THREE PACIFIC AUKS. *Kyle W. Morrison, J. Mark Hipfner, Gwylim S. Blackburn, and David J. Green*
- 716 BROOD SIZE AND LATE BREEDING ARE NEGATIVELY RELATED TO JUVENILE SURVIVAL IN A NEOTROPICAL MIGRATORY SONGBIRD. *Scott A. Tarof, Patrick M. Kramer, James R. Hill III, John Tautin, and Bridget J. M. Stutchbury*
- 726 ESTIMATING SURVIVAL AND LIFE-STAGE TRANSITIONS IN THE LAYSAN ALBATROSS (*PHOEBASTRIA IMMUTABILIS*) USING MULTISTATE MARK-RECAPTURE MODELS. *Eric A. VanderWerf and Lindsay C. Young*

REPRODUCTIVE AND BREEDING BIOLOGY

- 737 AN EXPERIMENTAL STUDY OF FLEDGING SUCCESS IN AMERICAN COOTS (*FULICA AMERICANA*): EFFECTS OF BROOD SIZE, FOOD AVAILABILITY, AND HATCHING ASYNCHRONY. *Todd W. Arnold*
- 746 EFFECTS OF SNOW-RELATED ENVIRONMENTAL VARIATION ON BREEDING SCHEDULES AND PRODUCTIVITY OF A HIGH-ALTITUDE POPULATION OF DUSKY FLYCATCHERS (*EMPIDONAX OBERHOLSERI*). *Maria E. Pereyra*
- 759 MERCURY EXPOSURE AFFECTS THE REPRODUCTIVE SUCCESS OF A FREE-LIVING TERRESTRIAL SONGBIRD, THE CAROLINA WREN (*THRYOTHORUS LUDOVICIANUS*). *Allyson K. Jackson, David C. Evers, Matthew A. Etterson, Anne M. Condon, Sarah B. Folsom, Jennifer Detweiler, John Schmerfeld, and Daniel A. Cristol*
- 770 EXTRAPAIR FERTILIZATIONS AND THE POTENTIAL FOR SEXUAL SELECTION IN A SOCIALLY MONOGAMOUS SONGBIRD. *Angelika Poesel, H. Lisle Gibbs, and Douglas A. Nelson*

SYSTEMATICS

- 777 DIVERSIFICATION OF AN ENDEMIC SOUTHEAST ASIAN GENUS: PHYLOGENETIC RELATIONSHIPS OF THE SPIDERHUNTERS (NECTARINIIDAE: ARACHNOTHERA). *Robert G. Moyle, Sabrina S. Taylor, Carl H. Oliveros, Haw Chuan Lim, Cheryl L. Haines, Mustafa A. Rahman, and Frederick H. Sheldon*



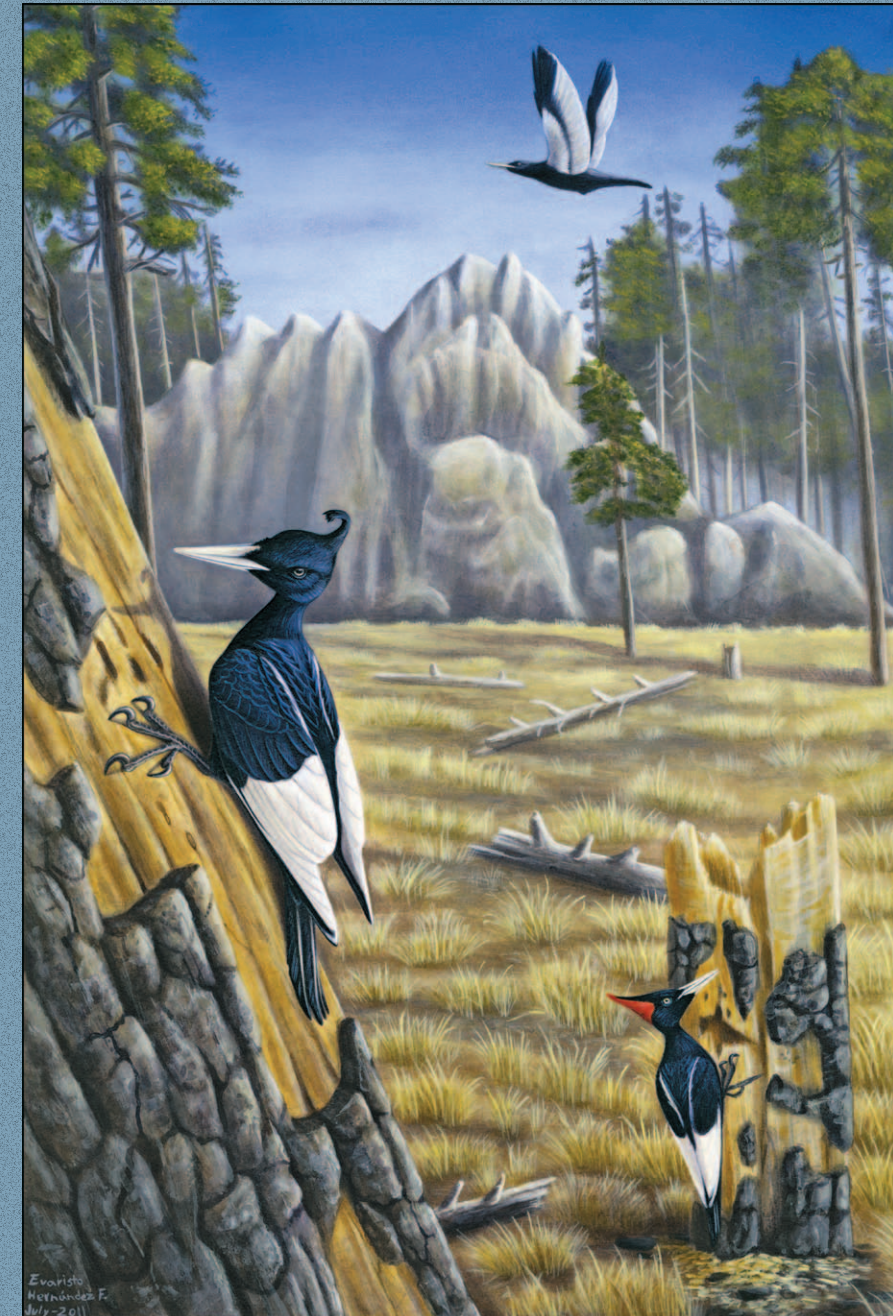
The Auk

VOLUME 128, NUMBER 4, OCTOBER 2011
AN INTERNATIONAL JOURNAL OF ORNITHOLOGY

THE AUK

Vol. 128, No. 4, Pages 615–829

October 2011



PUBLISHED BY THE AMERICAN ORNITHOLOGISTS' UNION

(Continued on inside back cover)

Contents (continued)



LETTERS

- 789 NEITHER INDIVIDUALLY DISTINCTIVE SONGS NOR "LEK SIGNATURES" ARE DEMONSTRATED IN SUBOSCINE SCREAMING PIHAS. *Donald Kroodsma*
- 790 FURTHER ANALYSIS SUPPORTS THE CONCLUSION THAT THE SONGS OF SCREAMING PIHAS ARE INDIVIDUALLY DISTINCTIVE AND BEAR A LEK SIGNATURE. *Lauren P. Fitzsimmons, Nicole K. Barker, and Daniel J. Mennill*
- 792 MISSING THE FOREST FOR THE GENE TREES: CONSERVATION GENETICS IS MORE THAN THE IDENTIFICATION OF DISTINCT POPULATION SEGMENTS. *Kelly R. Barr, Giri Athrey, Denise L. Lindsay, Richard F. Lance, Timothy J. Hayden, Scott A. Tweddale, and Paul L. Leberg*
- 794 ENDANGERED SPECIES MANAGEMENT AND THE ROLE OF CONSERVATION GENETICS: A RESPONSE TO BARR ET AL. *Robert M. Zink, Andrew W. Jones, C. Craig Farquhar, Michael C. Westberg, and Jose I. Gonzalez Rojas*

MEMORIALS

- 798 IN MEMORIAM: GARY BORTOLOTTI, 1954–2011. *C. Stuart Houston and Jon M. Gerrard*
- 800 IN MEMORIAM: GORDON LINDSAY MACLEAN, 1937–2008. *Margaret M. Koopman*

BOOK REVIEWS

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

POSTSCRIPT

- 808 100 YEARS AGO IN THE AMERICAN ORNITHOLOGISTS' UNION. *Kimberly G. Smith*
- 810 ERRATA
- 811 ERRATA
- 812 REVIEWERS FOR *The Auk*, 2011
- 813 INDEX TO VOLUME 128. *Compiled by Todd J. Underwood and Robyn M. Underwood*

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

FRENCH TRANSLATION: HÉLÈNE SÉNÉCHAL