

In this issue: The Charadriiformes—shorebirds, gulls, terns, alcids, and relatives—are well known for their identification challenges and for their proneness to vagrancy. The diverse Charadriiformes also present a fascinating array of biological challenges and questions, some of which we examine in the pages that follow. *Cover art: Pigeon Guillemots. Watercolor on Fabriano by © Michael DiGiorgio.*

TABLE OF CONTENTS

Birding

VOL. 37 • NO. 4 • JULY/AUGUST 2005

Correspondence

346 Editorial TED FLOYD
Tough Love:
I. Charadriiformes

348 Letters to the Editor

- More on Cats
- Manx Shearwater Update
- Florida Exotics Update
- Cory's Shearwater Identification
- Eagles in Cuba
- Vive le Kilomètre!
- Vivent les Dimensions!
- Re-Rethinking Exotics
- Ralph Hoffmann

356 Point/Counterpoint
Replies to "The Birth of Butterflying"

- CLAY TAYLOR
- PAUL A. OPLER
- MARTHA W. ROBINSON
- BOB BEHRSTOCK
- MIKE OVERTON
- PAT SUTTON

360 News and Notes
PAUL HESS

- Conservation Plan for Shorebirds
- Kirtland's Warbler Winter Ecology
- Gloger's Rule Revisited
- Bicknell's Thrush Populations

364 Flight Path
Young Birder of the Year
Contest: Photo Module

- ELISE M. S. BECKER
- CLAIRE CURRY
- ERIK ENBODY
- SEAN FITZGERALD
- NEIL GILBERT
- TOM JOHNSON
- NOAH K. STRYCKER

Feature Articles

372 Why Flight Patterns in Shorebirds?
DENNIS PAULSON

380 Fall Molts of Adult Dowitchers
CALEB PUTNAM

392 Spring Shorebird Migration in Western North America
NILS WARNOCK, MARY ANNE BISHOP,
AND JOHN TAKEKAWA

402 Speciation in the Herring Gull Complex
PETER DE KNIJFF, ANDREAS HELBIG,
AND DORIT LIEBERS

412 Molt, Age Determination, and Identification of Puffins
STEVE N. G. HOWELL AND PETER PYLE

Departments

420 May/June Photo Quiz Answers
Charadriiformes
ED KWATER

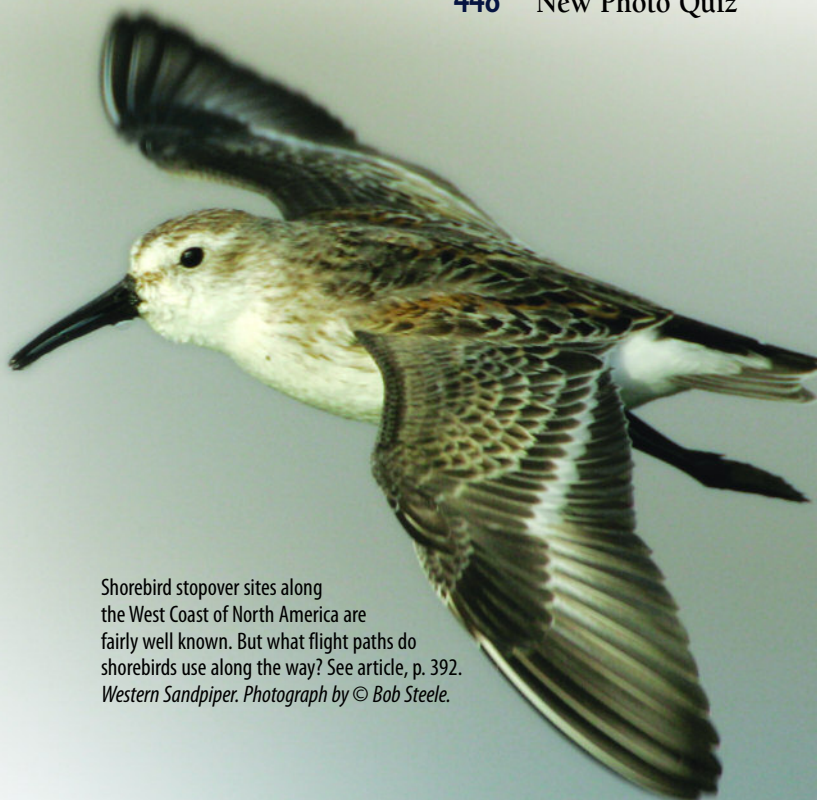
424 Dimensions
Crested Auklet Perfume
ANKE HIRTH

428 Sources
Drawn from Life?
Skeletons in the Birding Closet
RICK WRIGHT

434 Book Reviews

- San Diego Atlas
PAUL HESS, *reviewer*
- Birding in Britain
CHRISTOPHER HELM, *reviewer*
- Tracking the Peregrine
CARL SAFINA, *reviewer*

448 New Photo Quiz



Shorebird stopover sites along the West Coast of North America are fairly well known. But what flight paths do shorebirds use along the way? See article, p. 392. *Western Sandpiper. Photograph by © Bob Steele.*