UNIT POST	Εί	STATES SERVICE	Statement of	of O	wne	ership	, Mar		ent, and Circulation Required by 39 USC 3685)		
1.Publication Tit	e			-		ation Num			3. Fiting Date		
The Condor					0	1 0	- 5	4 2	2		
4. lease Frequency Quarterly					Numb	er of lasue	s Publist 4	hed Annual	# Annual Subscription Price \$90.00		
7. Complete Mailin	g Ad	dress of Known Office of logical Society, 810	Publication (Not printe	r) (Stre	et, city,	COUNTY, \$1	nte, and Zi	Contact Person Tammy Butts			
Odopci Oili		ogical codety, ore	Lust Your O., Lu	· ·	,,,,,	00041			Telephone 785-843-1235 ext. 233		
Complete Meiling Address of Headquarters or General Business Office of Publisher (Not printer)     Cooper Ornithological Society, 810 East 10th St., Lawrence KS 66044											
Cooper On	uio	logical documy, orc	Cast fool St., La	WIGH	Je No	00044					
9. Full names an	d Co	Amplete Mailing Addre	uses of Publisher, Ed	ittor, a	nd Ma	naging Ed	tor (Do n	ot leave bi	enk)		
Fut names and Complete Malling Addresses of Publisher, Editor, and Managing Editor (Do not leave blank)     Publisher (Name and complete mailing address)     Cooper Ornithological Society, 810 East 10th St., Lawrence KS 66044											
Walter D. K	d co oen	mplete mailing addres ig, Hastings Natura	i) History Reservat	tion, 3	8601	E. Carm	ei Vally	Road, Ca	armel Valley, CA 93924		
David J. Gui	ber		ral History Reserv						Carmel Valley, CA 93924		
10. Owner (Do not le names and siddle names and addresses individual o	0000 0000 0000	blank. If the publication is s of all stockholders owning s of the individual owners. F. If the publication is publi	owned by a corporation, or holding 1 percent or if owned by a partnership shed by a nonprofit organ	give the more of p or othe stration.	name s the tota or uninc	and address al amount of orporated fi	of the corp stock. If no rm, give the eddress.)	oration imme of owned by a name and a	distely followed by the corporation, give the drawn as well as those of		
Full Name	_		.,	C	omple	e Mailing	Address	e KS 6804			
Cooper Orn	itho	logical Society			810 E	est 10th St.	, Lawrence	>e KS 6804	4 		
				П							
11. Known Bondhol- Holding 1 Percen	iere. it or i	Mortgages, and Other Sec More of Total Amount of Bo	unity Holders Owning or eds, Mortgages, or								
Other Securities Full Name	lf no	the, oheck bex		- L	☑ None Complete Mailing Address						
				┪							
	_			7							
	_			+							
	-										
12. Tax Status (For	con	epietion by nonprofit org	inizations authorized t	o mell s	t speci	at rates) (CI	seck one)				
The purpose, for	ancti ged	on, and nonprofft status During Preceding 12 Mo	of this organization and nths	d the ex	empt #	tatus for fee	derad Incor	me tax purpo	oses:		
Has Changed	Duri	ng Preceding 12 Months	(Publisher must subm	nit expl	anatior	of change	with this	statement)	Computerized Faculmile		
			(Jan Herocools	OII reese							
13. Publication Title	•	The Condor			14. Issue Data for Circulation Data Below August-00						
15.		Extent and Nature of C	Neculation .		Average No. Copies Each Issue During Preceding 12 Months  Actual No. Copies of Single Issue Published Meaners to Either Date						
					P			Months	Published Nearest to Filing Date		
s. Total Number of	Coop				L		3700		3700		
Cooper Orni  6. Complete Mail Cooper Orni  6. Full tames and Robbishar Charact Cooper Orni  Editor (Name and Walter D. Ko Menaging Editor David J. Gut  10. Owner (Co sat is names and address and names and address and addre	(1)	Paid/Requested Outside stated on Form 3541. (It exchange copies)	- County Mail Subscrip lotude advertiser's proc	stions of and			2823		2868		
	(2)	proof and exchange cop	I in-County Subscriptions (Include advertiser's of and exchange copies)			0			0		
Circulation	(3)	Sales Through Dealers and Carriers, Street Vendors Counter Sales, and Other Non-USPS Paid Distributi			199				202		
	(4)	Other Classon Mailed Through the USPS				6			7		
	Re	quested Circulation (Sum	of 15b(1) , (2).(3), and	(4))	I		3027		3077		
d. Free Distribution	(1)	Outside-County as Stated on Form 3541			95				89		
by Mall (Semples.complim	(2)	In-County as Stated on Form 3541			0				0		
	(3)	Other Classes Malled T	rough the USPS		Τ		8		8		
e. Free Distribution	Out.	side the Mail (Cerriers or	other means)				3		3		
		(Sum of 15d and 15e)		<u> </u>	I		96		100		
					1		3123		3177		
h. Copies not Distributed					577				523		
I. Total (Sum of 15g. and h.) Percent Paid and/or Requested Circulation					╬-		9700 98.9		3700		
(15c divided by 15g times 100)											
Publication 17. Signature and ¹	requ itte	ared. Will be printed in the of Editor, Publisher, Bush	November is less Manager, or Owne	sue of ti	we pub	Ication.	—	☐ Public	ation not required.		
Wal						26 Sept. 2000					
	or in	furnished on this form & pro- formation requested on the	e and complete. I unders form may be subject to co	stand the riminal w	notkyn	who turnish (including f	es false or	misleading in sprisonment) o	formation on this form and/or chill sanctions (including chill		
	_										
Instructions	to	Publishers									

- Complete and five acceptor the form with your postmenter anxisally on or before October 1. Xeep a copy of the completed form for your records.

  In Casses where the abcolholder or security holder is a thatkey, include in ferms 10 and 11 the name of the person or corporation for whom the trustees is acting. Also include the name and differences of the individuals who are abcolholders who cann not not be process or the security of the person or composition. In the in 1,1 in man, check the size.

  See an interest of books included, or the person of the processing or personal in the interest of the publisher of the person of the p

. Item 17 must be agree.

Failure to file or publish a statement of ownership may had to suspension of second-class authoritation.

Computerized Facemble

# A Telemetry Receiver Designed with The Researcher in Mind

What you've been waiting for!

Finally, a highly sensitive 999 channel synthesized telemetry receiver that weighs less than 13 ounces, is completely user programmable and offers variable scan rates over all frequencies. For each animal being tracked, the large LCD display provides not only the frequency (to 100Hz) and channel number, but also a 7 character alphanumeric comment field and a digital signal strength meter. Stop carrying receivers that are the size of a lunch box or cost over \$1500. The features and performance of the new R-1000 pocket sized telemetry receiver will impress you, and the price will convince you.

#### Other Features Include:

Factory tuned to any 4MHz wide segment in the 148-174MHz Band
 Very high sensitivity of -148dBm to -150dBm
 Illuminated display and keypad for use in low light or darkness
 User selectable scan rates from 1-30 seconds in 1 second steps
 Rechargeable batteries operate the receiver for 12 hours and can be replaced with standard AA Alkaline batteries in the field.

Both 12vdc and 110vac chargers are included.

6.1" (15.5cm) high,
 2.6" (6.6cm) wide,
 1.5" (3.8cm) deep.

3 year warranty

• 1 day delivery

\$695.00

Please specify desired 4MHz wide segment in the 148-174MHz band

Visit our
website for
complete
specifications,
operating
manual and
information
on the R-1000
or call our
toll-free number
to order your
receiver now.

Try the New R-1000 and You'll Be Impressed!









426 West Taft Avenue • Orange, CA 92865-4296 • 1-714-998-3021 • Fax 1-714-974-3420 Entire U.S.A. (800) 854-0547 • Fax (800) 850-0547 • http://www.com-spec.com

### **Studies in Avian Biology**

Recent Issues



The Northern Goshawk: Ecology and Management

Edited by William M. Block, Michael L. Morrison, and M. Hildegard Reiser

No. 16

1994

\$16

#### Demography of the Northern Spotted Owl

Edited by Eric D. Forsman, Stephen DeStefano, Martin G. Raphael, and R.J. Gutiérrez

No. 17

1996

\$20

Won The Wildlife Society's Award for outstanding publication in wildlife ecology and management for an edited monograph, 1997.



Prices include postage and handling.

Order from:

Cooper Ornithological Society

c/o Western Foundation of Vertebrate Zoology

439 Calle San Pablo Camarillo, CA 93010

## **Studies in Avian Biology**

### Recent Issues



Research and Management of the Brownheaded Cowbird in Western Landscapes

Edited by Michael L. Morrison, Linnea S. Hall, Scott K. Robinson, Stephen I. Rothstein, D. Caldwell Hahn, and Terrell D. Rich

No. 18 1999 \$18

Ecology and Conservation of Grassland Birds of the Western Hemisphere

Edited by Peter D. Vickery and James R. Herkert

No. 19

1999

\$25

Available in hardcover for \$39.50



Prices include postage and handling.

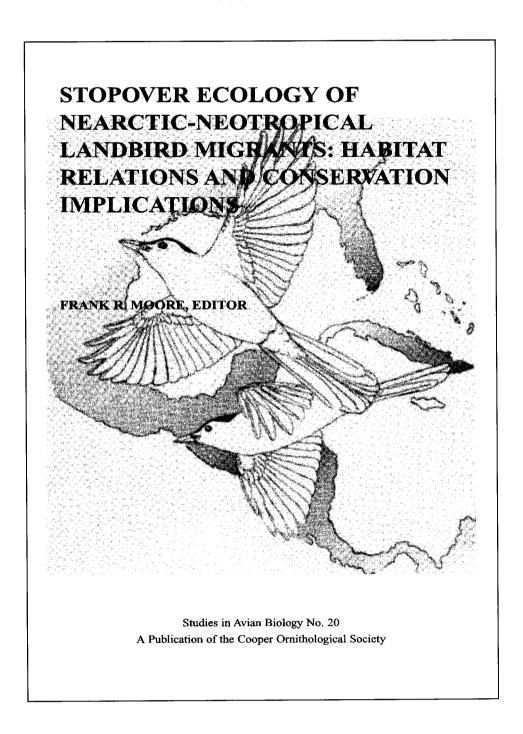
Order from: Cooper Ornithological Society

c/o Western Foundation of Vertebrate Zoology

439 Calle San Pablo Camarillo, CA 93010

# Studies in Avian Biology

Recent Issue



Price (\$18) includes postage and handling.

Order from: Cooper Ornithological Society

c/o Western Foundation of Vertebrate Zoology

439 Calle San Pablo

Camarillo, CA 93012-8506

#### PRINCETON UNIVERSITY PRESS



#### Birds of Nepal Richard Grimmett, Carol Inskipp, and Tim Inskipp

- Covers all 760 species in Nepal, including variation by age, sex, and subspecies
- 110 color plates with text on facing pages for at-a-glance identification
- Concise text covering identification, voice, habitat, altitudinal range, distribution, and status
- Introduction covering habitats, birding areas, local organizations, and conservation

Princeton Field Gurdes
Paper \$29.9 Due October
Not available from Princeton in the
Commonwealth (except Canada) and the
European Union

# Shrikes and Bush-Shrikes

Tony Harris

- Covers all 114 species of shrikes
- Detailed species accounts for field identification, along with plumage descriptions, geographical variation, moult, distribution, food, sounds, and breeding behavior
- 41 color plates (480 illustrations) with text and map on facing pages for at-a-glance identification
- Over 100 color maps showing breeding and wintering ranges

Cloth \$49.50

Not available from Princeton in the Commonwealth (expect Canada) and the European Union









Where to Watch Birds in Europe and Russia Where To Watch Birds in Africa Where to Watch Birds in South America

Nigel Wheatley

Kivar Binding: \$19.95 each

Not available from Princeton in the Commonwealth (except Canada) and the European Union

#### From the reviews:

"Wheatley is well on his way to the first complete survey of the world's superb birding spots. Every volume is excellent value for the money and a must for anyone interested in traveling the world in search of rare, exciting, and mysterious birds."

—Angus Wilson, Birding

#### Birds of the Northwestern National Parks

A Birder's Perspective BY ROLAND H. WAUER DRAWINGS BY MIMI HOPPE WOLF

To help you make the most of your visits to seven Northwestern parks, this finding guide introduces the most common birds and the most probable places to see them. Wauer takes readers on "walks" through each park, where he explains the identification and behavior of the birds that visitors are most likely to see. He also includes a review of each park's bird life and a list of key species.

Corrie Herring Hooks Series 151 pp., b&w drawings \$18.95 paperback

#### Wildlife Sanctuaries and the Audubon Society

Places to Hide and Seek BY JOHN M. "FROSTY" ANDERSON FOREWORD BY DONAL C. O'BRIEN JR., CHAIRMAN OF THE BOARD, NATIONAL AUDUBON SOCIETY

Drawn from the National Audubon Society newsletter *Places to Hide and Seek*, which Anderson edited, these accounts of the development of fifteen NAS sanctuaries offer a personal, often humorous look at the daily and longer-term activities involved in protecting bird habitats. Collectively, they record an era in conservation history in which ordinary people, without benefit of Ph.D.'s, became stewards of the habitats in which they had lived all their lives.

\$22.95 paperback, \$45.00 hardcover

#### Guide to the Offshore Wildlife of the Northern Atlantic

BY MICHAEL H. TOVE

Written by a recognized authority on scabirds and whales and illustrated with his finely detailed color paintings, this comprehensive guide provides both previously unknown and common field marks to help you identify and enjoy all the birds, whales, dolphins, scals, and sca turtles in the Atlantic Ocean north of the Tiopic of Cancer, as well as in the Gulf of Mexico, the North Sea, and the Bay of Biscay.

Corrie Herring Hooks Series 264 pp., color plates, figures, charts \$24.95 paperback



Request our complete ornithology catalog.



University of Texas Press 800-252-3206 WWW.UTEXAS.EDU/UTPRESS

#### (Continued from outside back cover)

SHORT COMMUNICATIONS	
Cultural Diversification in the Flight Call of the Ringneck Parrot in Western Australia MYRON C. BAKER	905
Pacific Coast and Southwest Interior Populations of the Hutton's Vireo Differ in Basic Song Parameters  COLETTE T. BARIL AND JON C. BARLOW	911
Comparison of Coastal Fringe and Interior Forests as Reserves for Marbled Murrelets on Vancouver Island	
ALAN E. BURGER, VOLKER BAHN AND ANGELINE R. M. TILLMANNS Correlates of Harlequin Duck Densities During Winter in Prince William Sound, Alaska	915
DANIEL ESLER, TIMOTHY D. BOWMAN, THOMAS A. DEAN, CHARLES E. O'CLAIR, STEPHEN C. JEWETT AND LYMAN L. McDONALD	920
Influence of Female Age and Body Mass on Brood and Duckling Survival, Number of Surviving Ducklings, and Brood Movements in Redheads TINA YERKES	926
Effects of Hatching Date and Egg Size on Growth, Recruitment, and Adult Size of Lesser Scaup RUSSELL D. DAWSON AND ROBERT G. CLARK	930
Effects of Water Conditions on Clutch Size, Egg Volume, and Hatchling Mass of Mallards and Gadwalls in the Prairie Pothole Region PAMELA J. PIETZ, GARY L. KRAPU, DEBORAH A. BUHL AND DAVID A. BRANDT	936
Reproductive Success and Survival in Relation to Experience During the First Two Years in Canada Geese DENNIS G. RAVELING, JAMES S. SEDINGER AND DEVIN S. JOHNSON	941
Impact of Brood Parasitism on Nest Survival Parameters and Seasonal Fecundity of Six Songbird Species in Southeastern Old-field Habitat MARIA A. WHITEHEAD, SARA H. SCHWEITZER AND WILLIAM POST	946
Roost Site Selection of Great Horned Owls in Relation to Black Fly Activity: An Anti-parasite Behavior?  CHRISTOPH ROHNER, CHARLES J. KREBS, D. BRUCE HUNTER AND DOUGLAS C. CURRIE	950
Observations of the Pale-eyed Blackbird in Southeastern Peru GORDON H. ORIANS AND ELIZABETH N. ORIANS	956
Sociality and Foraging Behavior of the Cerulean Warbler in Venezuelan Shade-Coffee Plantations JASON JONES, PAOLO RAMONI PERAZZI, ERIN H. CARRUTHERS AND RALEIGH J. ROBERTSON	958
BOOK REVIEW	
Hope is the Thing with Feathers, by Christopher Cokinos WALTER D. KOENIG	963
NEWS AND NOTES	965
AWARD ANNOUNCEMENTS	969
REVIEWERS FOR VOLUME 102	970
INDEX TO VOLUME 102	972

Cover: Band-tailed Pigeon (Columba fasciata) landing on a final perch site before descending to drink mineralized water in the Willamette Valley, Oregon. Pigeons are hypothesized to seek dietary sodium at mineralized deposits, or more typically, water (see article by Sanders and Jarvis, p. 855). Photograph by Worth Mathewson.

Editor: WALTER D. KOENIG
Managing Editor: DAVID J. GUBERNICK
Editorial Assistant: RICKEY WOLFE
Book Review Editor: BARBARA KUS

### CONTENTS

ATURES	
Nine Years After the Exxon Valdez Oil Spill: Effects on Marine Bird Populations in Prince William Sound, Alaska	
LYMAN L. McDONALD AND BRIAN K. LANCE	723
Missouri Ozarks	738
Breeding Bird Abundance in Bottomland Hardwood Forests: Habitat, Edge, and Patch Size Effects	
Breeding Bird Communities in Boreal Forest of Western Canada: Consequences	748
KEITH A. HOBŠON AND ERIN BAYNE	759
Species of Amazonian Forest Birds	770
Antbird Guilds in the Lowland Caribbean Rainforest of Southeast Nicaragua	784
Characteristics of Foraging Habitats and Chick Food Provisioning by Tropical Roseate Terns	1000
JAIME A. RAMOS	795
SUSAN M. WAUGH, HENRI WEIMERSKIRCH, YYES CHEREL AND PETER A. PRINCE	804
Reproductive Success of American Kestrels: The Role of Prey Abundance and Weather RUSSELL D. DAWSON AND GARY R. BORTOLOTTI	814
BRIAN F. POWELL AND ROBERT J. STEIDL	823
SCOTT A. TAROF AND LAURENE M. RATCLIFFE	832
JUKKA JOKIMÄKI AND ESA HUHTA	838
Hyde Park, Chicago	848
Do Band-tailed Pigeons Seek a Calcium Supplement at Mineral Sites?	855
A Molecular Phylogeny of the Dove Genus Zenaida: Mitochondrial and Nuclear DNA Sequences	
Mitochondrial DNA and Morphological Variation of White-winged Doves in Texas	864
MICHAEL F. SMALL, KELLY M. HOGAN AND JAY ROBERSON	871
ROBERT M. ZINK AND RACHELLE C. BLACKWELL-RAGO	881
A Comparison of Point Counts and Sound Recording as Bird Survey Methods in Amazonian Southeast Peru JOHN HASELMAYER AND JAMES S. QUINN	887
Definitive Prebasic Molt of Gray Catbirds at Two Sites in New England COLLEEN DWYER HEISE AND CHRISTOPHER C. RIMMER	894
	Nine Years After the Exxon Valdez Oil Spill: Effects on Marine Bird Populations in Prince William Sound, Alaska DAVID B. IRONS, STEVEN J. KENDALL, WALLACE P. ERICKSON, LYMAN L. McDONALD AND BRIAN K. LANCE Breeding and Post-Breeding Habitat Use by Forest Migrant Songbirds in the Missouri Ozarks RICH W. PAGEN, FRANK R. THOMPSON III AND DIRK E. BURHANS Breeding Bird Abundance in Bottomland Hardwood Forests: Habitat, Edge, and Patch Size Effects REX SALLABANKS, JEFFREY R. WALTERS AND JAIME A. COLLAZO Breeding Bird Communities in Boreal Forest of Western Canada: Consequences of "Unmixing" the Mixedwoods KEITH A. HOBSON AND ERIN BAYNE Allozymic Genetic Structure and Natural Habitat Fragmentation: Data for Five Species of Amazonian Forest Birds JOHN M. BATES Antbird Guilds in the Lowland Caribbean Rainforest of Southeast Nicaragua MARTIN L. CODY Characteristics of Foraging Habitats and Chick Food Provisioning by Tropical Roseate Terns JAIME A. RAMOS Contrasting Strategies of Provisioning and Chick Growth in Two Sympatrically Breeding Albatrosses at Campbell Island, New Zealand SUSAN M. WAUGH, HENRI WEIMERSKIRCH, YYES CHEREL AND PETER A. PRINCE Reproductive Success of American Kestrels: The Role of Prey Abundance and Weather RUSSELL D. DAWSON AND GARY R. BORTOLOTTI Nesting Habitat and Reproductive Success of Southwestern Riparian Birds BRIAN F. POWELL AND ROBERT J. STEIDL Pair Formation and Copulation Behavior in Least Flycatcher Clusters SCOTT A. TAROF AND LAURENE M. RATCLIFFE Artificial Nest Predation and Abundance of Birds Along an Urban Gradient JUKKA JOKIMÁKI AND ESA HUHTA Patterns of Flock Size, Diet, and Vigilance of Naturalized Monk Parakeets in Hyde Park, Chicago JASON M. SOUTH AND STEPHEN PRUETT-JONES  Do Band-tailed Pigeons Seek a Calcium Supplement at Mineral Sites? TODD A. SANDERS AND ROBERT L. JARVIS  A Molecular Phylogeny of the Dove Genus Zenaida: Mitochondrial and Nuclear DNA Sequences KEVIN P. JOHNSON AND DALE H. CLAYTON Mitochondrial DNA and Morphological Variation of White-winged Doves in Texas CHRI