

Interested in Tropical Ornithology?

ORNITOLOGIA NEOTROPICAL
UNA REVISTA INTERNACIONAL DE ORNITOLOGIA NEOTROPICAL
UMA REVISTA INTERNACIONAL DE ORNITOLOGIA NEOTROPICAL
AN INTERNATIONAL JOURNAL OF NEOTROPICAL ORNITHOLOGY

Volume 4 1993 No. 1

CONTENTS

FIELD STUDY OF ALLOPATRY, SYMBATRY, PARAPATRY, AND REPRODUCTIVE ISOLATION IN STEPPE BIRDS OF PATAGONIA. <i>François Vuilleumier</i>	1
NATURAL RANGE EXPANSION AND LOCAL EXTIRPATION OF AN EXOTIC PSITTACINE — AN UNSUCCESSFUL COLONIZATION ATTEMPT. <i>James W. Wiley</i>	43
COMPARISON OF CLOUD-FOREST AVIFAUNAS IN SOUTHEASTERN BRAZIL AND WESTERN COLOMBIA. <i>Estan O. Willis & Karl L. Schuchmann</i>	55
SHORT COMMUNICATIONS	
APPARENT SITE FIDELITY BY AN IMMATURE NORTHERN WATERTHRUSH <i>SEIURUS NOVEBORACENSIS</i> IN THE VIRGIN ISLANDS. <i>Robert L. Norton</i>	65
PRESENCIA DE <i>STAPHYLLOCOCUS AUREUS</i> EN ALGUNAS ESPECIES DE PATOS (AVES: ANATIDAE) EN EL PARANA MEDIO, ARGENTINA. <i>Gabriel Marrelonas, Juan C. Rozatti & Adolfo H. Belzer</i>	67
INDEX TO VOLUME 3, 1992	69

The Neotropical Ornithological Society offers an exciting forum for exchange of information on the birds of this vast and diverse region. The Society's journal, ORNITOLOGIA NEOTROPICAL, is published twice a year in English. Papers cover the entire range of Neotropical ornithology by a variety of authors from throughout the hemisphere, including several of the best tropical ornithologists (Garrido, Willis, Remsen, Vuilleumier), as well as many up and coming new students of birds in the region.

Subscribe by contacting **Dr. John H. Rappole, Treasurer, Conservation and Research Center, Front Royal, Virginia, 22630, U.S.A.** Subscription are as follows: Students \$ 15, Latin Americans \$ 25, U.S. and others \$ 35, Institutions \$ 60.

New Release

**A CENTURY OF AVIFAUNAL
CHANGE IN WESTERN
NORTH AMERICA**

JOSEPH R. JEHL, JR. AND NED K. JOHNSON,
EDITORS



Studies in Avian Biology No. 15

A Publication of the Cooper Ornithological Society

**Price \$40 (includes postage and handling)
Make check or money order payable to:
Cooper Ornithological Society (U.S. Funds only)**

**order from: Cooper Ornithological Society
Western Foundation of Vertebrate Zoology
439 Calle San Pablo
Camarillo, CA 93012-8506**

Determination of Nestling Age and Laying Date in Tengmalm's Owl: Use of Wing Length and Body Mass B.-G. CARLSSON and B. HÖRNFELDT	555
Behavior and Vocalizations of <i>Gyalophylax</i> and <i>Megaxenops</i> (Furnariidae), Two Little-Known Genera Endemic to Northeastern Brazil BRET M. WHITNEY and JOSÉ FERNANDO PACHECO	559

BOOK REVIEWS

<i>Handbook of the Birds of the World, Volume 1 (Ostrich to Ducks)</i> , edited by J. del Hoyo, A. Elliott and J. Sargatal FRANK B. GILL	566
<i>Cormorants, Darters, and Pelicans of the World</i> , by Paul A. Johnsgard PAMELA C. RASMUSSEN	567
<i>Birds of the Chukchi Peninsula and Wrangel Island, Volume 2</i> , by L. A. Portenko DOUGLAS SIEGEL-CAUSEY	569
<i>Tetraonidae and Phasianidae of the USSR: Ecology and Morphology</i> , by M. A. Kuz'mina DOUGLAS SIEGEL-CAUSEY	570
<i>Marked Individuals in the Study of Bird Population</i> , edited by J.-D. Lebreton and Ph. M. North JOHN R. SAUER	571

NEW BOOKS IN ORNITHOLOGY	573
---	------------

NEWS AND NOTES	574
---------------------------------	------------

Editor: GLENN E. WALSBERG

Managing Editor:
ANNETTE C. KEELER

Book Review Editor:
CHRISTOPHER W. THOMPSON

Annual Variation in Bird Populations of Mixed Conifer-Northern Hardwood Forests JOHN G. BLAKE, JOANN M. HANOWSKI, GERALD J. NIEMI and PATRICK T. COLLINS	381
Forced Extra-Pair Copulation in the White-cheeked Pintail: Male Tactics and Female Responses LISA GUMINSKI SORENSON	400
Habitat Use by Mallards and American Black Ducks Breeding in Central Ontario M. TODD MERENDINO and C. DAVISON ANKNEY	411
The Role of Nutrient Reserves for Clutch Formation by Northern Pintails in Alaska DANIEL ESLER and JAMES B. GRAND	422
Behavioral and Morphological Correlates of Heterochrony in Hispaniolan Palm-Tanagers MARA A. McDONALD and MICHAEL H. SMITH	433
Comparative Accuracy of Aerial and Ground Telemetry Locations of Foraging Raptors JOHN M. MARZLUFF, MARK S. VEKASY and CHRIS COODY	447
Feeding Ecology of Sharp-shinned Hawks Nesting in Deciduous and Coniferous Forests in Colorado SUZANNE M. JOY, RICHARD T. REYNOLDS, RICHARD L. KNIGHT and RICHARD W. HOFFMAN	455
Barn Owl Reproduction: Patterns and Variation Near the Limit of the Species' Distribution CARL D. MARTI	468
The Effect of Mate Removal on the Vocal Behavior and Movement Patterns of Male and Female Eastern Screech-Owls PAUL H. KLATT and GARY RITCHISON	485
Fruit Choices by Captive American Robins MARY F. WILLSON	494
Demography and Movements of the Omao (<i>Myadestes obscurus</i>) C. JOHN RALPH and STEVEN G. FANCY	503
Regional Analysis of Black-capped Vireo Breeding Habitats JOSEPH A. GRZYBOWSKI, DAVID J. TAZIK and GARY D. SCHNELL	512
Dispersal and Association Among Common Ravens BERND HEINRICH, DELIA KAYE, TED KNIGHT and KRISTIN SCHAUMBURG	545

SHORT COMMUNICATIONS

Adaptive Significance of Tracheal Elongation in Manucodes (Paradisaeidae) CLIFFORD B. FRITH	552
--	-----