

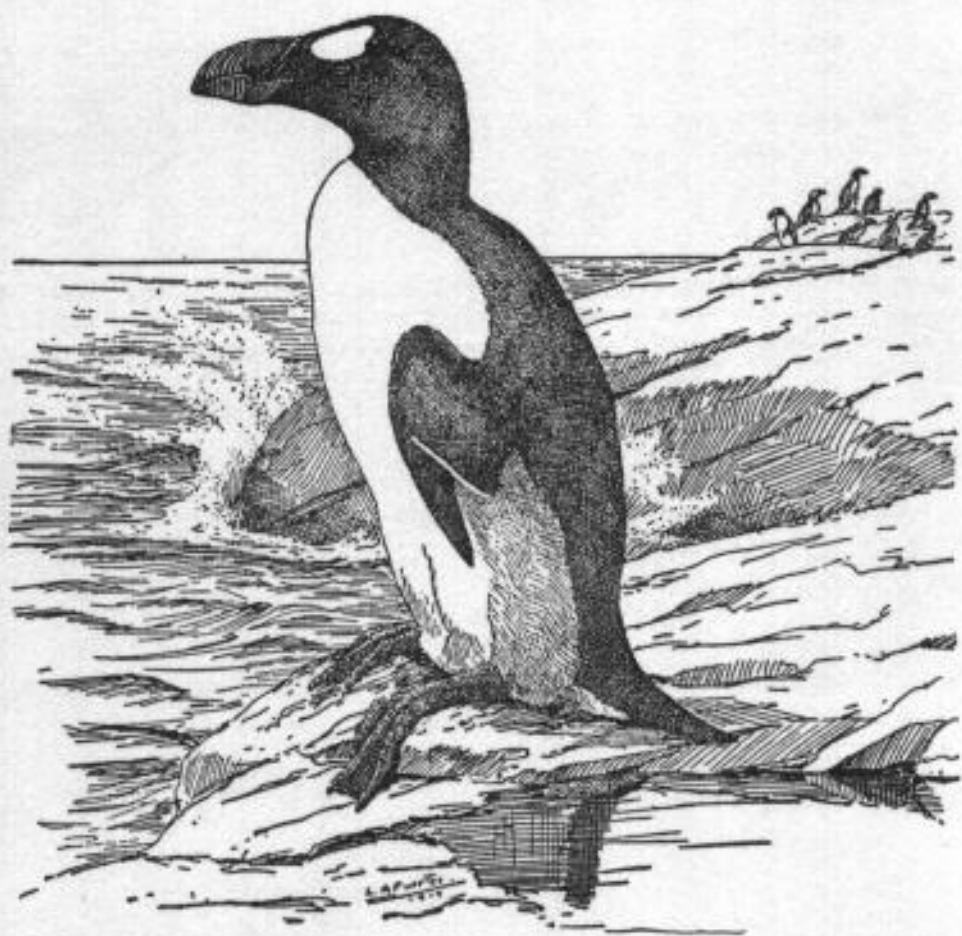
# The Auk

*A Quarterly Journal of Ornithology*

Vol. 80

OCTOBER, 1963

No. 4



PUBLISHED BY  
THE AMERICAN ORNITHOLOGISTS' UNION

# THE AMERICAN ORNITHOLOGISTS' UNION

(FOUNDED 1883)

## OFFICERS

FOR 1962-63

*President:* AUSTIN L. RAND, Chicago Natural History Museum, Roosevelt Road and Lake Shore Drive, Chicago 5, Illinois.

*First Vice-President:* ROBERT W. STORER, Museum of Zoology, The University of Michigan, Ann Arbor, Michigan.

*Second Vice-President:* OLIVER L. AUSTIN, JR., Florida State Museum, Gainesville, Florida.

*Editor of "The Auk":* ROBERT M. MENGEL, Museum of Natural History, The University of Kansas, Lawrence, Kansas.

*Secretary:* LAWRENCE H. WALKINSHAW, 1703 Wolverine Tower, Battle Creek, Michigan.

*Treasurer:* ROBERT J. NEWMAN, Museum of Zoology, Box 8669, Louisiana State University, Baton Rouge, Louisiana.

All persons interested in ornithology are invited to apply to the Treasurer for Membership in The American Ornithologists' Union. Dues for Members are \$5.00 per year. *The Auk* is sent without charge to all classes of members not in arrears for dues.

---

Send changes of address, claims for undelivered or defective copies of "The Auk," and requests for information relative to advertising, subscriptions, back numbers of "The Auk," as well as for other publications of the Union, to the Treasurer.

---

All articles and notes submitted for publication and all books and publications intended for review should be sent to the Editor (see inside back cover).

Published quarterly (January, April, July, and October) by The American Ornithologists' Union. Business office: Robert J. Newman, Treasurer, Museum of Zoology, Louisiana State University, Baton Rouge 3, Louisiana. Subscription: \$6.00 per year. Printed by The Allen Press, Lawrence, Kansas, U.S.A. Second-class postage paid at Lawrence, Kansas, U.S.A.

# The Auk

*A Quarterly Journal of Ornithology*

EDITOR

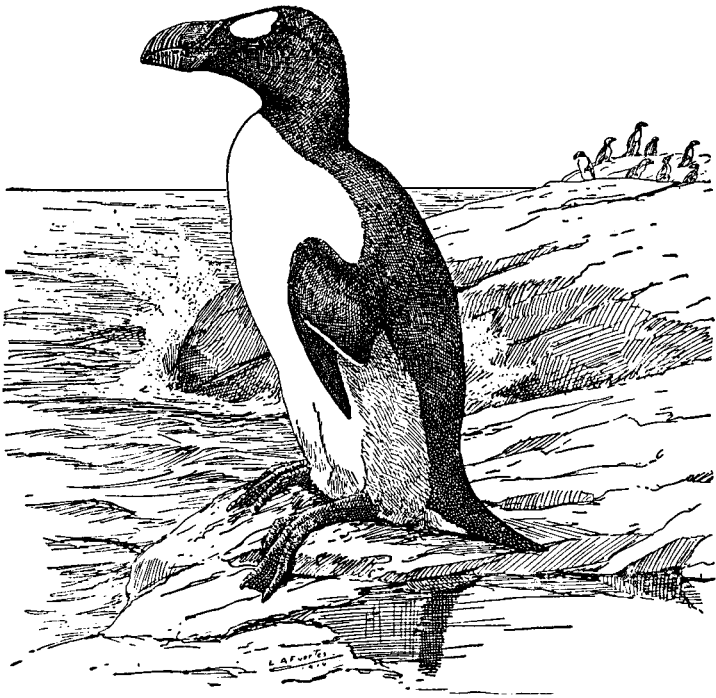
ROBERT M. MENGEL

ASSISTANT EDITORS

RICHARD F. JOHNSTON, J. KNOX JONES, JR.

EDITORIAL ASSISTANTS

MARION J. PHILLIPS, JOYCE L. WILDENTHAL



**VOLUME 80**

---

PUBLISHED BY

The American Ornithologists' Union

1963

DATES OF ISSUE OF "THE AUK"

VOL. 80, No. 1—30 JANUARY 1963

VOL. 80, No. 2—16 APRIL 1963

VOL. 80, No. 3—30 JULY 1963

VOL. 80, No. 4—31 OCTOBER 1963

## CONTENTS OF VOLUME 80

---

### NUMBER 1

|                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------|-----|
| THE NOMENCLATURE OF PLUMAGES AND MOLTS. <i>Erwin Stresemann</i> ..                                                                 | 1   |
| ECOLOGICAL AND REPRODUCTIVE RELATIONSHIPS OF BLACK-CAPPED AND CAROLINA CHICKADEES. <i>Richard Brewer</i> .....                     | 9   |
| A CASE OF JOINT NIDIFICATION IN RING DOVES. <i>Barbara Marshall Matthews</i> .....                                                 | 48  |
| COURTSHIP AND AGONISTIC BEHAVIOR OF THE COMMON GRACKLE, <i>QUISCALUS QUISCUA</i> . <i>Robert W. Ficken</i> .....                   | 52  |
| GENERAL NOTES                                                                                                                      |     |
| On the American status of <i>Tiaris canora</i> and <i>Carduelis carduelis</i> . <i>O. L. Austin, Jr.</i> .....                     | 73  |
| Mississippi Kite in Argentina; with comments on migration and plumages in the genus <i>Ictinia</i> . <i>Eugene Eisenmann</i> ..... | 74  |
| Additional eastern records of Ross' Goose ( <i>Chen rossii</i> ). <i>C. D. MacInnes and F. G. Cooch</i> .....                      | 77  |
| The first record of the Double-striped Thick-knee in the United States. <i>C. D. MacInnes and E. B. Chamberlain</i> .....          | 79  |
| Incomplete first prebasic molt in the Chukar Partridge. <i>George E. Watson</i>                                                    | 80  |
| Nesting and nest visitors of the Vaux's Swift in Montana. <i>Paul H. Baldwin and William F. Hunter</i> .....                       | 81  |
| Fork-tailed Flycatcher ( <i>Muscivora tyrannus tyrannus</i> ) taken in Texas. <i>Pauline James</i> .....                           | 85  |
| An observation of tolerance of disturbance by a male American Woodcock on his singing ground. <i>Bruce S. Wright</i> .....         | 85  |
| REVIEWS .....                                                                                                                      | 86  |
| RECENT LITERATURE. <i>Edited by John William Hardy</i> .....                                                                       | 94  |
| NOTES AND NEWS .....                                                                                                               | 107 |
| OBITUARIES .....                                                                                                                   | 109 |
| CORRESPONDENCE .....                                                                                                               | 110 |
| ADDENDUM .....                                                                                                                     | 110 |

---

### NUMBER 2

|                                                                                                                           |     |
|---------------------------------------------------------------------------------------------------------------------------|-----|
| A GIANT FLIGHTLESS BIRD FROM THE PLEISTOCENE OF FLORIDA. <i>Pierce Brodkorb</i> .....                                     | 111 |
| DISPLAY PATTERNS OF TROPICAL AMERICAN "NINE-PRIMARIED" SONG-BIRDS. III. THE GREEN-BACKED SPARROW. <i>M. Moynihan</i> .... | 116 |

|                                                                                                                                                    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| AGE-SPECIFIC MORTALITY IN THE EGGS AND NESTLINGS OF BLACK-<br>BIRDS. <i>Howard Young</i> .....                                                     | 145 |
| THE SYRINX IN CERTAIN TYRANT FLYCATCHERS. <i>Mildred Miskimen</i> .....                                                                            | 156 |
| EXPERIMENTS ON PHOTOPERIODIC REGULATION OF THE TESTIS CYCLE<br>IN TWO SPECIES OF THE THRUSH GENUS <i>HYLOCICHLA</i> .<br><i>Ormsby Annan</i> ..... | 166 |
| PROCEEDINGS OF THE EIGHTIETH STATED MEETING OF THE AMERI-<br>CAN ORNITHOLOGISTS' UNION. <i>Lawrence H. Walkinshaw</i> ,<br><i>Secretary</i> .....  | 175 |
| REPORT OF THE RESEARCH COMMITTEE FOR 1962 .....                                                                                                    | 190 |
| GENERAL NOTES                                                                                                                                      |     |
| Data on the body temperature of tropical sea and water birds. <i>Miklos D.</i><br><i>F. Udvardy</i> .....                                          | 191 |
| A proposed subspecies of the Great Potoo, <i>Nyctibius grandis</i> (Gmelin).<br><i>Hugh C. Land and William L. Schultz</i> .....                   | 195 |
| Birds associating with elephants and hippopotamuses. <i>Dale W. Rice</i> .....                                                                     | 196 |
| Record of the White Pelican and additional information on the Glossy<br>Cowbird from Puerto Rico. <i>Virgilio Biaggi, Jr.</i> .....                | 198 |
| Observations of joint feeding activities of certain fish-eating birds. <i>John</i><br><i>M. Parks and Sandra L. Bressler</i> .....                 | 198 |
| First specimens of ten species of birds for Mississippi. <i>Lovett E. Williams,</i><br><i>Jr., and Sterling G. Clawson</i> .....                   | 199 |
| European Siskin ( <i>Carduelis spinus</i> ) in Maine. <i>Arthur C. Borror</i> .....                                                                | 201 |
| REVIEWS .....                                                                                                                                      | 202 |
| RECENT LITERATURE. <i>Edited by John William Hardy</i> .....                                                                                       | 214 |
| NOTES AND NEWS .....                                                                                                                               | 225 |
| OBITUARY .....                                                                                                                                     | 227 |
| CORRIGENDUM .....                                                                                                                                  | 227 |

---

NUMBER 3

|                                                                                                         |                             |
|---------------------------------------------------------------------------------------------------------|-----------------------------|
| ROCKHOPPER PENGUINS .....                                                                               | frontispiece, facing p. 229 |
| THE ROCKHOPPER PENGUIN, <i>EUDYPTES CHRYSOCOME</i> , AT MAC-<br>QUARIE ISLAND. <i>John Warham</i> ..... | 229                         |
| ORIENTATION BEHAVIOR OF FOUR SPECIES OF WATERFOWL. <i>Frank C.</i><br><i>Bellrose</i> .....             | 257                         |
| IN MEMORIAM: ARTHUR H. HOWELL. <i>Viola S. Schantz</i> .....                                            | 290                         |
| MORTALITY OF COMMON EGRETS AND OTHER HERONS. <i>M. Philip</i><br><i>Kahl, Jr.</i> .....                 | 295                         |

|                                                                                                                            |     |
|----------------------------------------------------------------------------------------------------------------------------|-----|
| PELLET FORMATION IN A GREAT HORNED OWL: A ROENTGENOGRAPHIC STUDY. <i>Robert J. Grimm and Walter M. Whitehouse</i> .....    | 301 |
| COURTSHIP OF THE AMERICAN REDSTART. <i>Millicent S. Ficken</i> .....                                                       | 307 |
| TENTATIVE FIELD ESTIMATES OF METABOLISM IN BUNTINGS. <i>Carl W. Helms</i> .....                                            | 318 |
| THE FOSSIL AVIFAUNA OF ITCHTUCKNEE RIVER, FLORIDA. <i>John J. McCoy</i> .....                                              | 335 |
| REPORT OF THE COMMITTEE ON BIRD PROTECTION, 1962. ....                                                                     | 352 |
| GENERAL NOTES                                                                                                              |     |
| Caspian Tern breeds in Florida. <i>Glen E. Woolfenden and Andrew J. Meyerriecks</i> .....                                  | 365 |
| Albinism in a Canada Goose. <i>Robert W. Skinner</i> .....                                                                 | 366 |
| Breeding range expansion of the Burrowing Owl in Florida. <i>J. David Ligon</i> .....                                      | 367 |
| Additions to the known breeding ranges of several species in south Texas. <i>Travis C. Meitzen</i> .....                   | 368 |
| The nesting of the Lucifer Hummingbird in the United States. <i>Warren M. Pulich, Sr., and Warren M. Pulich, Jr.</i> ..... | 370 |
| Records of the Brown Creeper for interior Alaska. <i>Willet T. Van Velzen</i> ..                                           | 371 |
| Wing-flashing in the Galápagos Mockingbird. <i>Margaret H. Hundley</i> .....                                               | 372 |
| Notes on methods of feeding and the use of tools in the Geospizinae. <i>Margaret H. Hundley</i> .....                      | 372 |
| Interspecific preening display by the Rice Grackle, <i>Psomocolax oryzivorus</i> . <i>C. J. O. Harrison</i> .....          | 373 |
| Another albinistic Blue Jay. <i>Margarette E. Morse</i> .....                                                              | 374 |
| Reproductive condition of feral pigeons in winter. <i>Ralph Dunmore and David E. Davis</i> .....                           | 374 |
| A Cinnamon Teal specimen from Alabama. <i>Thomas Z. Atkeson, Jr.</i> .....                                                 | 374 |
| Head-scratching in the Hairy Woodpecker, <i>Dendrocopos villosus</i> . <i>David W. Dunham</i> .....                        | 375 |
| Herring Gull extends breeding range south to North Carolina. <i>Jack P. Hailman</i> .....                                  | 375 |
| A simultaneous nesting of the Robin and the Blue Jay in one tree. <i>George E. Watson</i> .....                            | 377 |
| First nesting record of the Cattle Egret ( <i>Bubulcus ibis</i> ) in Canada. <i>Udo Buerkle and W. Dan Mansell</i> .....   | 378 |
| Bulwer's Petrel ( <i>Bulweria bulwerii</i> ) in Trinidad, West Indies. <i>Richard Ffrench</i> .....                        | 379 |
| Black-throated Sparrows in the eastern United States. <i>John L. Bull</i> .....                                            | 379 |
| REVIEWS .....                                                                                                              | 381 |
| RECENT LITERATURE. <i>Edited by John William Hardy</i> .....                                                               | 398 |
| NOTES AND NEWS .....                                                                                                       | 414 |
| OBITUARIES .....                                                                                                           | 414 |

## NUMBER 4

|                                                                                                                                 |     |
|---------------------------------------------------------------------------------------------------------------------------------|-----|
| THE SYSTEMATIC POSITION OF CERTAIN HAWKS IN THE GENUS <i>BUTEO</i> .<br><i>Ned K. Johnson and Hans J. Peeters</i> .....         | 417 |
| BREEDING HABITS OF THE PIED-BILLED GREBE IN AN IMPOUNDED<br>COASTAL MARSH IN LOUISIANA. <i>Robert H. Chabreck</i> .....         | 447 |
| NEW WAYS OF MEASURING THE INCUBATION PERIOD OF BIRDS. S.<br><i>Charles Kendeigh</i> .....                                       | 453 |
| DR. STROBEL'S ACCOUNT OF JOHN J. AUDUBON. <i>E. A. Hammond</i> .....                                                            | 462 |
| ERYTHROCYTE MEASUREMENTS IN BIRDS. <i>F. A. Hartman and M. A.<br/>Lessler</i> .....                                             | 467 |
| IN MEMORIAM: W. L. McATEE. <i>E. R. Kalmbach</i> .....                                                                          | 474 |
| THE MECHANISM OF FEATHER REPLACEMENT DURING NATURAL MOLT.<br><i>George E. Watson</i> .....                                      | 486 |
| COMMENTS ON THE STUDY OF PLUMAGE SUCCESSION. <i>Philip S.<br/>Humphrey and Kenneth C. Parkes</i> .....                          | 496 |
| THE WATER ECONOMY OF LAND BIRDS. <i>George A. Bartholomew and<br/>Tom J. Cade</i> .....                                         | 504 |
| <br>GENERAL NOTES                                                                                                               |     |
| Further observations of Whooper Swans in the Aleutian Islands, Alaska.<br><i>Karl W. Kenyon</i> .....                           | 540 |
| The name of a fossil rail and its date of publication. <i>Pierce Brodtkorb</i> .....                                            | 542 |
| A new subspecies of tree-babbler from the Philippines. <i>Kenneth C. Parkes</i> .....                                           | 543 |
| Starlings above the Arctic Circle in Alaska, 1962. <i>Charles F. Yocom</i> .....                                                | 544 |
| Feeding of Least Terns over land. <i>Burruss McDaniel and Shirley McDaniel</i> .....                                            | 544 |
| Pre-nesting activity of the Purple Gallinule near Savannah, Georgia.<br><i>Brooke Meanley</i> .....                             | 545 |
| An early record of the Cattle Egret in Colombia. <i>Alexander Wetmore</i> .....                                                 | 547 |
| First nesting of the Little Gull ( <i>Larus minutus</i> ) in Ontario and in the New<br>World. <i>George A. Scott</i> .....      | 548 |
| Skimmer-like behavior in the Royal and Caspian terns. <i>Ivan R. Tomkins</i> .....                                              | 549 |
| Yellow-headed Blackbirds at sea in the Atlantic Ocean. <i>R. M. de Schau-<br/>ensee</i> .....                                   | 549 |
| Dead fish as a source of food for various birds. <i>Henry G. Weston, Jr.</i> .....                                              | 550 |
| Notes on the nesting burrow and the young of the Puerto Rican Tody<br>( <i>Todus mexicanus</i> ). <i>Francis J. Rolle</i> ..... | 551 |
| Notes on fall-hatched Tricolored Blackbirds. <i>Gordon H. Orians</i> .....                                                      | 552 |
| REVIEWS .....                                                                                                                   | 554 |
| RECENT LITERATURE. <i>Edited by John William Hardy</i> .....                                                                    | 568 |
| NOTES AND NEWS .....                                                                                                            | 586 |
| CORRIGENDA .....                                                                                                                | 586 |
| INDEX TO VOLUME 80. <i>Compiled by L. R. Wolfe</i> .....                                                                        | 587 |