

Old  
Series,  
Vol. XXXIX

CONTINUATION OF THE  
BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB

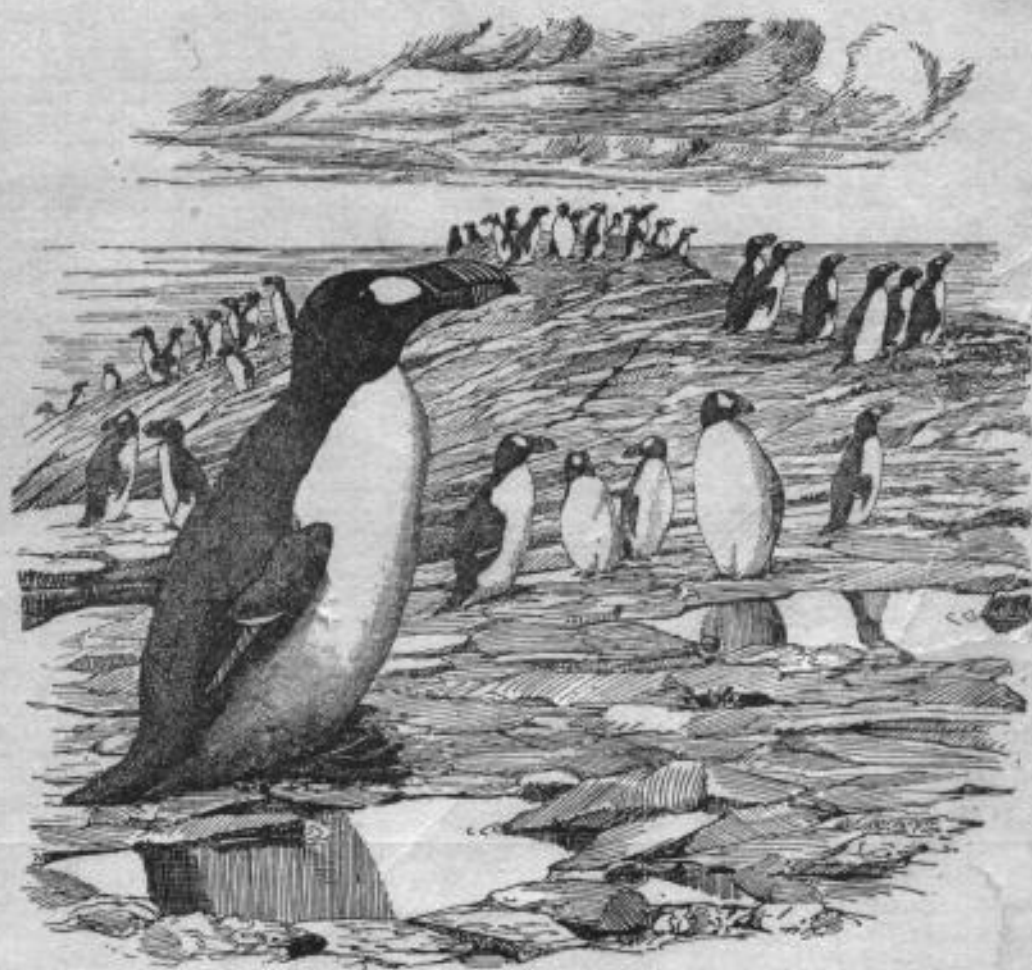
New  
Series,  
Vol. XXXI

# The Auk

A Quarterly Journal of Ornithology

Vol. XXXI JANUARY, 1914

No. 1



PUBLISHED BY

**The American Ornithologists' Union**

CAMBRIDGE, MASS.

Entered as second-class mail matter in the Post Office at Boston, Mass.

# CONTENTS

	PAGE
IN MEMORIAM: PHILIP LUTLEY SCLATER. By D. G. Elliot, D. Sc., F. R. S. E., etc. (Plate I)	1
PRELIMINARY DESCRIPTION OF A NEW PETREL. By Robert Cushman Murphy, (Plate II)	12
A PLEA FOR THE CONSERVATION OF THE EIDER. By Charles Wendell Townsend, M. D.	14
ON THE HABITS AND BEHAVIOR OF THE HERRING GULL, <i>LARUS ARGENTATUS</i> PONT. By R. M. Strong. (Plates III-X.)	22
NOTES ON NEST LIFE OF THE BROWN CREEPER IN MASSACHUSETTS. By Winsor M. Tyler	50
THE FALLACY OF THE TENDENCY TOWARDS ULTRAMINUTE DISTINCTIONS. By J. D. Piggins	62
NOTES ON THE ORNITHOLOGY OF CLAY AND PALO ALTO COUNTIES, IOWA. By A. D. Tinker. (Plates XI-XII.)	70
ADDITIONS TO "NOTES ON SOME SUMMER AND FALL BIRDS OF THE CROOKED LAKE REGION, CASS AND CROW WING COUNTIES, MINN." By Albert W. Honey- will, Jr.	82
SOME BINARY GENERIC NAMES. By Gregory M. Mathews, F. R. S. E.	86
THIRTY-FIRST STATED MEETING OF THE AMERICAN ORNITHOLOGISTS' UNION. By John H. Sage	92
GENERAL NOTES.—Brown Pelican Regular off North Carolina, 100; Recovery of a Banded Pintail Duck, 100; American Egret ( <i>Herodias egretta</i> ) at Martha's Vineyard, Mass., 100; The Willet in Central New York, 100; Killdeer Plover at Cambridge, Mass., 101; Turkey Vulture ( <i>Cathartes aura septentrionalis</i> ) at Martha's Vineyard, Mass., 101; Doryfera vs. Hemistephania, 101; Phoebe ( <i>Sayornis phoebe</i> ) in Colorado, 102; The Fox Sparrow in Central Park, New York City, in August, 102; An Abnor- mal Rose-breasted Grosbeak, 102; Two Prothonotary Warblers in Massachusetts, 103; Tennessee Warbler ( <i>Vermivora peregrina</i> ) in Massachusetts in Autumn, 103; Mourning Warbler ( <i>Oporornis philadelphia</i> ) in Florida, 103; Hooded Warbler at Boston, Mass., 104; Hooded Warbler at Nahant, Mass., 104; Some Rare Birds at Hamilton, Kansas, 104; A Quaint Reminiscence of Audubon, 105; Correction, 106.	
RECENT LITERATURE.—Gurney's 'The Gannett,' 107; Sage and Bishop on the Birds of Connecticut, 108; Tyler on Some Birds of the Fresno District, California, 109; Grinnell and Swarth on the Birds and Mammals of the San Jacinto Area of Southern California, 110; Gifford's 'Birds of the Galapagos Islands,' 112; Brooks' List of the Birds of West Virginia, 112; Bailey's 'Life Zones and Crop Zones of New Mexico,' 113; Todd on New Neotropical Birds, 113; Kirkham's 'North and South,' 114; Wood on Michigan Birds, 115; Howell on New Birds from Alabama, 115; Mearns on New African Birds, 115; Shufeldt on Fossil Feathers and Fossil Birds, 116; Gain on Penguins of the Antarctic Regions, 116; Mathews' 'A list of the Birds of Australia,' 116; Witherby on the Molt of the Rook, 118; Trevor-Battye's 'Camping in Crete,' 118; Hartert's 'Die Vögel der paläarktischen Fauna,' 119; Economic Value of Wild Birds in South Africa, 120; Bird Enemies of Diabroticas, 120; Shel- ford's 'Animal Communities in Temperate America,' 120; The Oriole, 123; The Ornithological Journals, 124; Ornithological Articles in Other Journals, 132; Pub- lications Received, 134.	
CORRESPONDENCE.—Albatross Specimens, 136; Teaching a Bird Course, 137.	
NOTES AND NEWS.—Obituary: Alfred Russel Wallace, 138; Ora W. Knight, 141; Fred B. Spaulding, 142; Dr. F. A. Jentink, 143; Dr. J. W. B. Gunning, 143; Bird Protective Legislation for 1913, 143; The Cat Problem, 145; A Banded Swallow, 146; The 'One-Letter' Question, 146; The Chicago Ornithological Society, 148; The A. O. U. Committee on Classification and Nomenclature, 148; The 1914 Spring Meeting of the A. O. U., 148.	

'THE AUK,' published quarterly as the Organ of the AMERICAN ORNITHOLOGISTS' UNION, is edited, beginning with the Volume for 1912, by DR. WITMER STONE.

TERMS:—\$3.00 a year, including postage, strictly in advance. Single numbers, 75 cents. Free to Honorary Fellows, and to Fellows, Members, and Associates of the A. O. U. not in arrears for dues.

Subscriptions should be addressed to DR. JONATHAN DWIGHT, JR., Business Manager, 134 WEST 71ST ST., NEW YORK, N. Y. Foreign Subscribers may obtain 'THE AUK' through R. H. PORTER, 9 PRINCES STREET, CAVENDISH SQUARE, W., LONDON.

Articles and communications intended for publication, and all books and publications for notice, should be sent to DR. WITMER STONE, ACADEMY OF NATURAL SCIENCES, LOGAN SQUARE, PHILADELPHIA, PA.

Manuscripts for general articles should reach the editor at least six weeks before the date of the number for which they are intended, and manuscripts for 'General Notes' and 'Recent Literature' not later than the first of the month preceding the date of the number in which it is desired they shall appear.

# CONTENTS OF VOLUME XXXI.

## NUMBER I.

	PAGE
IN MEMORIAM: PHILIP LUTLEY SCLATER. By <i>D. G. Elliot, D. Sc., F. R. S. E., etc.</i> (Plate I)	1
PRELIMINARY DESCRIPTION OF A NEW PETREL. By <i>Robert Cushman Murphy.</i> (Plate II)	12
A PLEA FOR THE CONSERVATION OF THE EIDER. By <i>Charles Wendell Townsend, M. D.</i>	14
ON THE HABITS AND BEHAVIOR OF THE HERRING GULL, <i>LARUS ARGENTATUS</i> PONT. By <i>R. M. Strong.</i> (Plates III-X.)	22
NOTES ON NEST LIFE OF THE BROWN CREEPER IN MASSACHUSETTS. By <i>Winsor M. Tyler</i>	50
THE FALLACY OF THE TENDENCY TOWARDS ULTRAMINUTE DISTINCTIONS. By <i>J. D. Figgins.</i>	62
NOTES ON THE ORNITHOLOGY OF CLAY AND PALO ALTO COUNTIES, IOWA. By <i>A. D. Tinker.</i> (Plates XI-XII.)	70
ADDITIONS TO "NOTES ON SOME SUMMER AND FALL BIRDS OF THE CROOKED LAKE REGION, CASS AND CROW WING COUNTIES, MINN." By <i>Albert W. Honeywill, Jr.</i>	82
SOME BINARY GENERIC NAMES. By <i>Gregory M. Mathews, F. R. S. E.</i>	86
THIRTY-FIRST STATED MEETING OF THE AMERICAN ORNITHOLOGISTS' UNION. By <i>John H. Sage</i>	92

### GENERAL NOTES.

Brown Pelican Regular off North Carolina, 100; Recovery of a Banded Pintail Duck, 100; American Egret (*Herodias egretta*) at Martha's Vineyard, Mass., 100; The Willet in Central New York, 100; Killdeer Plover at Cambridge, Mass., 101; Turkey Vulture (*Cathartes aura septentrionalis*) at Martha's Vineyard, Mass., 101; Doryfera vs. Hemistephania, 101; Phoebe (*Sayornis phæbe*) in Colorado, 102; The Fox Sparrow in Central Park, New York City, in August, 102; An Abnormal Rose-breasted Grosbeak, 102; Two Prothonotary Warblers in Massachusetts; 103; Tennessee Warbler (*Vermivora peregrina*) in Massachusetts in Autumn, 103; Mourning Warbler (*Oporornis philadelphia*) in Florida, 103; Hooded Warbler at Boston, Mass., 104; Hooded Warbler at Nahant, Mass., 104; Some Rare Birds at Hamilton, Kansas, 104; A Quaint Reminiscence of Audubon, 105; Correction, 106.

### RECENT LITERATURE.

Gurney's 'The Gannett,' 107; Sage and Bishop on the Birds of Connecticut, 108; Tyler on Some Birds of the Fresno District, California, 109; Grinnell and Swarth on the Birds and Mammals of the San Jacinto Area of Southern California, 110; Gifford's 'Birds of the Galapagos Islands,' 112; Brooks' List of the Birds of West Virginia, 112; Bailey's 'Life Zones and Crop Zones of New Mexico,' 113; Todd on New Neotropical Birds, 113; Kirkham's 'North and South,' 114; Wood on Michigan Birds, 115; Howell on New Birds from Alabama, 115; Mearns on New African Birds,

1401331

115; Shufeldt on Fossil Feathers and Fossil Birds, 116; Gain on Penguins of the Antarctic Regions, 116; Mathews' 'A list of the Birds of Australia, 116; Witherby on the Moults of the Rook, 118; Trevor-Battye's 'Camping in Crete,' 118; Hartert's 'Die Vögel der paläarktischen Fauna,' 119; Economic Value of Wild Birds in South Africa, 120; Bird Enemies of Diabroticas, 120; Shelford's 'Animal Communities in Temperate America,' 120; The Oriole, 123; The Ornithological Journals, 124; Ornithological Articles in Other Journals, 132; Publications Received, 134.

## CORRESPONDENCE.

Albatross Specimens, 136; Teaching a Bird Course, 137.

## NOTES AND NEWS.

Obituary: Alfred Russell Wallace, 138; Ora W. Knight, 141; Fred B. Spaulding, 142; Dr. F. A. Jentink, 143; Dr. J. W. B. Gunning, 143; Bird Protective Legislation for 1913, 143; The Cat Problem, 145; A Banded Swallow, 146; The 'One-Letter' Question, 146; The Chicago Ornithological Society, 148; The A. O. U. Committee on Classification and Nomenclature, 148; The 1914 Spring Meeting of the A. O. U., 148.

## NUMBER II.

	PAGE
AMONG THE BIRDS OF THE EASTERN SUDAN. By <i>John C. Phillips</i> . (Plate XIII.)	149
THE FERRUGINOUS ROUGH-LEG, <i>Archibuteo ferrugineus</i> IN MONTANA. By <i>E. S. Cameron</i> . (Plates XIV-XVIII.)	159
BIRDS AS DESTROYERS OF GRASSHOPPERS IN CALIFORNIA. By <i>Harold C. Bryant</i>	168
ON THE HABITS AND BEHAVIOR OF THE HERRING GULL, <i>Larus argentatus</i> PONT. (Concluded). By <i>R. M. Strong</i> . (Plates XIX-XX.)	178
AN ECOLOGICAL STUDY OF THE BREEDING BIRDS OF AN AREA NEAR CHOTEAU, MONT. By <i>Aretas A. Saunders</i>	200
DOES A GREBE SPREAD ITS WINGS JUST BEFORE DIVING? By <i>Verdi Burtch</i> . (Plates XXI-XXII.)	211
BIRDS OF AUTAUGA AND MONTGOMERY COUNTIES, ALABAMA. By <i>Lewis S. Golsan and Ernest G. Holt</i> . (Plate XXIII.)	212
ACADIAN CHICKADEES ( <i>Parus hudsonicus littoralis</i> ) IN BOSTON AND VICINITY IN THE FALL OF 1913. By <i>Horace W. Wright</i>	236

## GENERAL NOTES.

The Western Grebe in Ohio, 243; American Merganser (*Mergus americanus*) at Boston, Mass., in Midwinter, 243; Two Unrecorded Specimens of the European Widgeon from Massachusetts, 243; Notes on the Habits of an Old-squaw (*Harelda hyemalis*) and two Lesser Scaup Ducks (*Aythya affinis*), 244; American Egret (*Herodias egretta*) in Rhode Island, 245; Notes on an Unusual Flight of Stilt Sandpipers (*Micropalama himantopus*), 246; Franklin's

Grouse in Colorado, 246; Sharp-shinned Hawk in Maine in Winter, 247; Extreme Emaciation in a Specimen of the Snowy Owl (*Nyctea nyctea*), 247; Another Species Added to the Avifauna of South Carolina, 248; The Arkansas Kingbird (*Tyrannus verticalis*) in Rhode Island, 248; Capture of *Myiarchus crinitus* (Linn.) in Eastern Cuba, 248; An Unusual Observation on the Crow (*Corvus brachyrhynchos*) at Lubec, Maine, 248; Starlings (*Sturnus vulgaris*) at Providence, R. I., 249; Starlings (*Sturnus vulgaris*) in Cambridge, Mass., 249; The Rusty Blackbird (*Euphagus carolinus*) in Connecticut in Winter, 250; The Bobolink (*Dolichonyx oryzivorus*) as a Conveyor of Mollusca, 250; Cowbird Notes, 250; Evening Grosbeak (*Hesperiphona vespertina vespertina*) at Boston, Mass., 251; The White-winged Crossbill (*Loxia leucoptera*) in the District of Columbia, 251; Unusual Nesting Site of the English Sparrow, 252; Swainson's Warbler (*Helinaia swainsoni*) at Guantanamo, Cuba, 253; Magnolia Warbler in Colorado, 253; Canadian Warbler in Colorado, 253; The Short-billed Marsh Wren (*Cistothorus stellaris*) on Long Island in Winter, 253; The Red-bellied Nuthatch (*Sitta canadensis*) Feeding among Weeds, 253; The Acadian Chickadee (*Parus hudsonicus littoralis*) at Watch Hill, R. I., 254; The Identity of *Hypodes cinerea* Cassin, 255; Some Marshalltown, Iowa, Notes, 255; Two Species New to Colorado, 256; Unusual Occurrences at Madison, Wis., 256; Effect of Cold on Moults, 257.

## RECENT LITERATURE.

Millais' 'British Diving Ducks,' 259; Reichenow's 'Die Vögel,' 261; Oologia Neerlandica,' 262; Phillips on African Birds, 263; Bunker on the Birds of Kansas, 263; Swarth on Geese of the Branta canadensis Group, 264; Job on the Quest of the Canvasback, 264; Mearns on Additional New Birds from Africa, 265; Grinnell's 'Second List of Birds of the Berkeley Campus,' 265; Baker's 'Indian Pigeons and Doves,' 265; Menegaux's Reprint of the Ornithology of the Echo du Monde Savant, 266; Mathews' 'The Birds of Australia,' 267; The South Australian Ornithologist, 267; Mullen's 'Guide to Selborne,' 268; Sarasin on the Birds of New Caledonia, 268; Hellmayr on the Avifauna of Timor, 268; Elms' 'A Pocket-Book of British Birds' and other 'Handbooks,' 269; Miss Keezel's 'Bird Study Note Book,' 269; Shufeldt on Extinct Ostrich Birds of the United States, 269; Valuable Economic Reports, 270; Bird Enemies of the Philippine Locust, 270; Report on Introduced Pheasants in Massachusetts, 271; The Ornithological Journals, 273; Ornithological Articles in Other Journals, 281; Publications Received, 284.

## CORRESPONDENCE.

The Gannets of Bonaventure, 287; Researches of Gerhard Heilmann on the Origin of Birds, 287.

## NOTES AND NEWS.

Stopping the Traffic in Bird Plumage, 289; Heredity and Sex, 290; Meeting of the Wilson Ornithological Club, 290; Meeting of the Delaware Valley Ornithological Club, 291; Dinner of the Linnean Society of New York, 291; The Spring Meeting of the A. O. U., 291.

## NUMBER III.

	PAGE
THE MOULTS AND PLUMAGES OF THE SCOTERS — GENUS OIDEA. By <i>Jonathan Dwight, Jr., M. D.</i> (Plates XXIV-XXX.)	293
A LIST OF BIRDS FROM THE VICINITY OF GOLDEN, COLORADO. By <i>R. B. Rockwell and Alex. Wetmore.</i> (Plates XXXI-XXXIII.)	306
EARLY RECORDS OF THE WILD TURKEY. By <i>Albert Hazen Wright</i>	334
OSTEOLOGY OF THE PASSENGER PIGEON ( <i>Ectopistes migratorius</i> ). By <i>Dr. R. W. Shufeldt.</i> (Plate XXXIV.)	358
NOTES ON THE LOUISIANA CLAPPER RAIL ( <i>Rallus crepitans saturatus</i> ) IN TEXAS. By <i>George Finlay Simmons</i>	363
A NEW SUBSPECIES OF DENDRAGAPUS ( <i>Dendragapus obscurus flem- ingi</i> ) FROM SOUTHERN YUKON TERRITORY. By <i>P. A. Taverner</i>	385
AN UNDESCRIBED GALAPAGOS RACE OF OCEANODROMA CASTRO. By <i>John Treadwell Nichols</i>	388
THIRTY-SECOND STATED MEETING OF THE AMERICAN ORNITHOLO- GISTS' UNION. By <i>John H. Sage</i>	390

## GENERAL NOTES.

A Misinterpretation, 394; Concealing Postures of Grebes, 395; Herring Gulls at Sea, 397; Glaucous Gull (*Larus hyperboreus*) on Fresh Pond, Cambridge, Mass., 397; European Widgeon (*Mareca penelope*) at Boston, Mass., 397; An Egret on Long Island, 398; The Woodcock Carrying its Young, 398; A Feeding Habit of the Ruddy Turnstone, 399; Willow Ptarmigan in Montana, 399; Choucaleyon *versus* Sauromarptis, 399; The Bobolink breeding in Southeastern Pennsylvania, 400; Evening Grosbeak in Pennsylvania, 400; Nuttall's Sparrow (*Zonotrichia leucophrys nuttalli*) wintering in King Co., Wash., 400; The Bahama Swallow in Cuba, 401; The Coahuila Cliff Swallow (*Petrochelidon fulva palida*) in Texas, 401; The Tufted Tit — A New Record for Canada, 402; Blue-Gray Gnatcatcher (*Poliotilta caerulea*) at West Haven, Conn., 402; Three New Birds for Champaign County, Illinois, 402; New Bird Records for Arizona, 403; Birds transporting Food Supplies, 404.

## RECENT LITERATURE.

Ridgway's 'The Birds of North and Middle America,' Part VI, 406; Chapman on New Birds from Colombia, Venezuela and Ecuador, 407; Mearns on New African Birds, 408; Thayer and Bangs on Birds of the Arctic Coast of East Siberia, 408; Stresemann on the Birds of Ceram, 409; Mathews' 'The Birds of Australia,' 410; 'Die Schwalbe,' the Austrian Bird Migration Report, 410; Grinnell on the Mammals and Birds of the Lower Colorado Valley, 411; Bangs and Phillips on Birds from Yunnan, 412; Bangs on New Birds, 413; Oberholser's Monograph of the Nighthawks, 413; Allen's 'The Red-winged Blackbird,' 414; Beebe's Preliminary Pheasant Studies and Other Papers, 515; Chandler on the Feathers of *Circus hudsonius*, 415; Bett's 'Birds of Boulder County, Colorado,' 416; Walpole-Bond's 'Field Studies of Some Rarer British Birds,' 416; Stresemann on Early Accounts of Birds of Paradise, 417; Wright and Allen's 'Field Note-book of Birds,' 417; Bryant on the Economic Status of the Western Meadowlark, 417; Field Studies of Nestling Birds, 420; Economic Ornithology in Re-

cent Entomological Publications, 421; Hewitt on 'The Protection of Birds in and around Ottawa,' 422; Menegaux on Birds as Enemies of Mice, 423; A Note on 'The Effect of Extent of Distribution on Speciation,' 423; Henshaw's 'Birds of Town and Country,' 423; The Ornithological Journals, 424; Ornithological Publications in Other Journals, 430; Publications Received, 432.

NOTES AND NEWS.

Obituary: A. C. L. G. Günther, 435; G. E. H. Barrett-Hamilton, 435; Publication of Reports of Expeditions, 436; Progress of Bird Protection, 437; Roosevelt Brazilian Expedition, 438; Book Notices, 438.

NUMBER IV.

	Page
OBSERVATIONS ON BIRDS OF THE SOUTH ATLANTIC. By <i>Robert Cushman Murphy</i> . (Plates XXXV-XXXIX.)	439
THE DEVELOPMENT OF THE STOMACH IN THE EUPHONIAS. By <i>Alex. Wetmore</i>	458
ANATOMICAL NOTES ON TROCHALOPTERON AND SICALIS. By <i>Hubert Lyman Clark</i>	461
EARLY RECORDS OF THE WILD TURKEY. II. By <i>Albert Hazen Wright</i>	463
SOME WINTER BIRDS OF OKLAHOMA. By <i>Wells W. Cooke</i>	473
NOTES ON THE BIRDS OF LEON COUNTY, FLORIDA — THIRD SUPPLEMENT. By <i>R. W. Williams</i>	494
THE CALIFORNIA FORMS OF THE GENUS <i>Psaltriparus</i> . By <i>Harry S. Swarth</i> . (Plate XL.)	499
A REVIEW OF THE GENUS PHOEBETRIA. By <i>John Treadwell Nichols</i> and <i>Robert Cushman Murphy</i> . (Plate XLI.)	526

GENERAL NOTES.

Harlequin Duck in Glacier National Park, Montana, 535; American Egret (*Herodias egretta*) at Naushon Island, Mass., 535; Yellow-crowned Night Heron in Colorado, 535; Red Phalarope (*Phalaropus fulicarius*) off Boston Harbor in Summer, 536; Another Massachusetts Record for the Turkey Vulture (*Cathartes aura septentrionalis*) 536; Richardson's Owl (*Cryptoglaux funerea richardsoni*) in N. E. Illinois, 536; Unusual Behavior of a Ruby-throated Hummingbird (*Archilochus colubris*), 536; Breeding of the Red-winged Blackbird (*Agelaius phoeniceus phoeniceus*) in Nova Scotia, 537; Brewer's Blackbird (*Euphagus cyanocephalus*) breeding in Southern Minnesota, 538; Florida Meadowlark (*Sturnella magna argutula*) in Northern Illinois, 540; Evening Grosbeak at Jamaica Plain, Mass., 540; Chestnut-collared Longspur in Colorado, 541; The Snow Bunting Again in the Chicago Area, 541; Nevada Savannah Sparrow in New Mexico, 542; A Second North Carolina Record for Lincoln's Sparrow (*Melospiza lincolni lincolni*), 542; Bell's Vireo in Wisconsin, 543; San Lucas Verdin (*Auriparus flaviceps lamprocephalus*) in California, 543; Notes from Springfield, Mass., 543; West Virginia Notes, 544; Some Winter Bird Notes from the Yellowstone National Park, 546; Some Breeding Birds of Garrett Co., Maryland, 548; Serious Loss of Bird-Life During Spring Migration, 548.

## RECENT LITERATURE.

Eaton's 'Birds of New York,' 550; Swarth's 'List of Arizona Birds,' 551; Aiken and Warren on the Birds of El Paso County, Colorado, 552; Mathews' 'Birds of Australia,' 552; The New Nature Library, 553; Bannerman on Birds of the Canaries, 553; Recent Publications on Economic Ornithology, 553; Further Observations by Collinge on the Dispersal of Weed Seeds by Birds, 554; Herman on Useful and Harmful Birds, 554; Food of the Common Partridge (*Perdix perdix*) of Europe, 555; the Ornithological Journals, 556; Ornithological Articles in other Journals, 563; Publications Received, 564.

## NOTES AND NEWS.

The extinction of the Passenger Pigeon, 566; The Traffic in Rhea plumage, 567.

	PAGE
INDEX . . . . .	569
ERRATA . . . . .	593
DATES OF ISSUE . . . . .	593
CONTENTS . . . . .	i
OFFICERS AND MEMBERS . . . . .	ix



ILLUSTRATIONS.

PLATES.

Plate	I.	Philip Lutley Sclater.
"	II.	<i>Æstrelata chionophara</i> Murphy.
"	III.	Strawberry and Gravel Islands, Wisconsin (two views).
"	IV.	Blind on Strawberry Island and Juvenal Gull (two views).
"	V.	Herring Gulls fighting and parent feeding young (two views).
"	VI.	Herring Gull with young at nest.
"	VII.	Characteristic Gull Nest and Gull on nest (two views).
"	VIII.	Newly-hatched Herring Gulls (two views).
"	IX.	Gull scene at Gravel Island.
"	X.	Parent Gull and young and Gull crying (two views).
"	XI-XII.	Views of Clay and Palo Alto Counties, Iowa.
"	XIII.	<i>Caprimulgus eleanora</i> Phillips.
"	XIV-XVII.	Nest of the Ferruginous Rough-leg (five views).
"	XVIII.	Ferruginous Rough-leg (two views).
"	XIX-XX.	Herring Gulls (three views).
"	XXI-XXII.	Holbæll's Grebe on the surface and diving (four views).
"	XXIII.	Views of Bear and Catoma Swamps, Alabama.
"	XXIV.	Heads of ducks of the genus <i>Oidemia</i> .
"	XXV-XXVII.	Primaries of ducks of the genus <i>Oidemia</i> .
"	XXVIII-XXX.	Skins of <i>Oidemia</i> .
"	XXXI.	Views of Lookout and Genesee Mountains, Colorado (two views).
"	XXXII.	Nest of Red-shafted Flicker and young Long-crested Jay (two views).
"	XXXIII.	Nests of Gray-headed Junco and Spurred Towhee (two views).
"	XXXIV.	Osteology of the Passenger Pigeon.
"	XXXV.	Mollymoke, <i>Diomedea melanophrys</i> (two views).
"	XXXVI-XXXIX.	Various species of Tubinares (numerous views).
"	XL.	Map showing distribution of <i>Psaltriparus</i> in California.
"	XLI.	Sooty Albatross and young and skins of Sooty Albatrosses (two views).

TEXT-CUTS.

	PAGE.
Map of Gull Colonies, Green Bay, Wisconsin . . . . .	23
Map of Clay and Palo Alto Cos., Iowa . . . . .	71
Reproduction of Audubon's Permit . . . . .	106
Bills of <i>Oceanodroma castro bangsi</i> and <i>O. c. cryptoleucura</i> . . . . .	389