

OLD SERIES, }
VOL. LVIII }

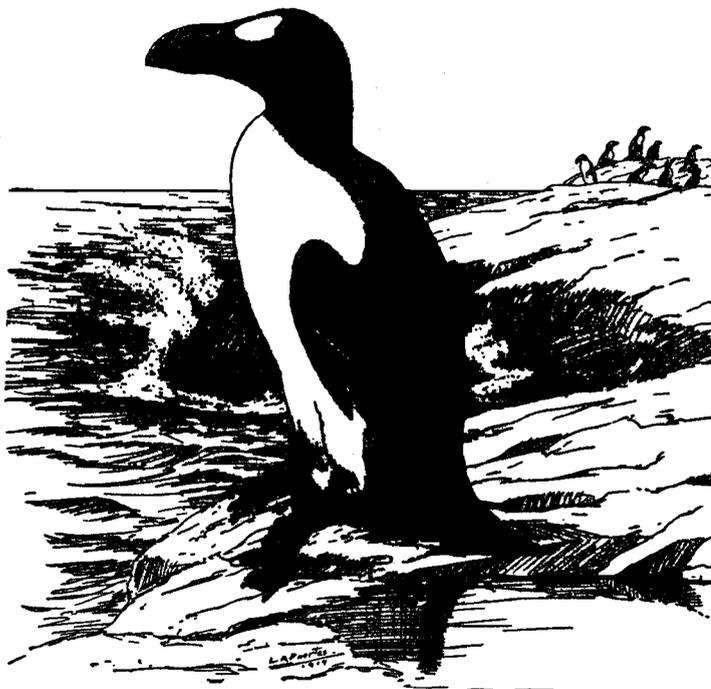
CONTINUATION OF THE
BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB

{ NEW SERIES,
VOL. L }

The Auk

A Quarterly Journal of Ornithology

EDITOR
WITMER STONE



VOLUME L

PUBLISHED BY

The American Ornithologists' Union

LANCASTER, PA.

1933

Entered as second-class mail matter in the Post Office at Lancaster, Pa.

OFFICERS OF THE AMERICAN ORNITHOLOGISTS' UNION PAST AND PRESENT.

PRESIDENTS.

- | | |
|---------------------------------|-------------------------------|
| *J. A. ALLEN, 1883-1890. | E. W. NELSON, 1908-1911. |
| *D. G. ELLIOT, 1890-1892. | FRANK M. CHAPMAN, 1911-1914. |
| *ELLIOTT COUES, 1892-1895. | A. K. FISHER, 1914-1917. |
| *WILLIAM BREWSTER, 1895-1898. | *JOHN H. SAGE, 1917-1920. |
| *ROBERT RIDGWAY, 1898-1900. | WITMER STONE, 1920-1923. |
| C. HART MERRIAM, 1900-1903. | *JONATHAN DWIGHT, 1923-1926. |
| *CHAS. B. CORY, 1903-1905. | ALEXANDER WETMORE, 1926-1929. |
| CHAS. F. BATCHELDER, 1905-1908. | JOSEPH GRINNELL, 1929- |

VICE-PRESIDENTS.

- | | |
|---------------------------------|----------------------------------|
| *ELLIOTT COUES, 1883-1890. | E. W. NELSON, 1903-1905. |
| *ROBERT RIDGWAY, { 1883-1891. | FRANK M. CHAPMAN, 1905-1911. |
| { 1895-1898. | A. K. FISHER, 1908-1914. |
| *WILLIAM BREWSTER, 1890-1895. | WITMER STONE, 1914-1920. |
| *H. W. HENSHAW, { 1891-1894. | GEORGE BIRD GRINNELL, 1918-1923. |
| { 1911-1918. | *JONATHAN DWIGHT, 1920-1923. |
| C. HART MERRIAM, 1894-1900. | ALEXANDER WETMORE, 1923-1926. |
| *CHAS. B. CORY, 1898-1903. | JOSEPH GRINNELL, 1923-1929. |
| CHAS. F. BATCHELDER, 1900-1905. | JAMES H. FLEMING, 1926- |
| | ARTHUR C. BENT, 1929- |

SECRETARIES.

- | | |
|-----------------------------|---------------------------|
| C. HART MERRIAM, 1883-1889. | *JOHN H. SAGE, 1889-1917. |
| | T. S. PALMER, 1917- |

TREASURERS.

- | | |
|-----------------------------|------------------------------|
| C. HART MERRIAM, 1883-1885. | *WILLIAM DUTCHER, 1887-1903. |
| *CHAS. B. CORY, 1885-1887. | *JONATHAN DWIGHT, 1903-1920. |
| | W. L. McATEE, 1920- |

*Deceased.

MEMBERS OF THE COUNCIL.

- | | |
|---------------------------------|-----------------------------------|
| *J. A. ALLEN, 1883-1921. | A. K. FISHER, 1895- |
| *S. F. BAIRD, 1883-1887. | *JONATHAN DWIGHT, 1896-1929. |
| *WILLIAM BREWSTER, 1883-1919. | RUTHVEN DEANE, 1897- |
| *MONT. CHAMBERLAIN, 1883-1888. | WITMER STONE, 1898- |
| *ELLIOTT COUES, 1883-1899. | THOMAS S. ROBERTS, 1899- |
| *H. W. HENSHAW, {1883-1894. | E. W. NELSON, 1900- |
| 1911-1918. | *CHAS. W. RICHMOND, 1903-1932. |
| *GEO. N. LAWRENCE, 1883-1890. | *F. A. LUCAS, 1905-1921. |
| C. HART MERRIAM, 1883- | W.H.OSGOOD, 1911-1918, 1920-1928. |
| *ROBERT RIDGWAY, 1883-1929. | JOSEPH GRINNELL, 1914- |
| *CHAS. B. CORY, {1885-1895. | T. S. PALMER, 1917- |
| 1896-1921. | W. L. MCATEE, 1920- |
| *WILLIAM DUTCHER, 1887-1920. | HARRY C. OBERHOLSER, 1918- |
| *D. G. ELLIOT, 1887-1915. | GEORGE BIRD GRINNELL, 1918-1923. |
| LEONHARD STEJNEGER, {1887-1895. | ARTHUR C. BENT, 1921- |
| 1896-1899. | ALEXANDER WETMORE, 1923- |
| *THOMAS McILWRAITH, 1888-1889. | JAMES H. FLEMING, 1923- |
| *JOHN H. SAGE, 1889-1925. | *EDWARD H. FORBUSH, 1926-1929. |
| *N. S. GOSS, 1890-1891. | P. A. TAVERNER, 1928- |
| CHAS. F. BATCHELDER, 1891- | JAMES P. CHAPIN, 1929- |
| FRANK M. CHAPMAN, 1894- | JAMES L. PETERS, 1929- |
| *CHARLES E. BENDIRE, 1895-1897. | |

Officers are ex-officio members of the Council during their terms of office and ex-presidents are members for life. Ex-officio members are included in the above.

Elections have been in November except in 1883 and 1884 (September), 1887, 1922, 1923, 1926, 1929, 1930 1931 and 1932 (October), 1907 and 1909 (December), 1914 (April) and 1915 (May).

*Deceased.

CONTENTS OF VOLUME L.

NUMBER I.

	PAGE
IN MEMORIAM: CHARLES WALLACE RICHMOND. By <i>Witmer Stone</i> . (Plate I)	1
THE REDISCOVERY OF PSEUDOCALYPTOMENA. By <i>J. Sterling Rockefeller</i> and <i>Charles B. G. Murphy</i>	23
THE MIGRATION OF TURKEY BUZZARDS. By <i>Frank M. Chapman</i>	30
DAILY LIFE OF THE AMERICAN EAGLE: EARLY PHASE (CONCLUDED). By <i>Francis H. Herrick</i> . (Plates II-IV)	35
NOTES ON THE COLLECTING TRIP OF M. ABBOTT FRAZAR IN SONORA AND CHIHUAHUA FOR WILLIAM BREWSTER. By <i>Ludlow Griscom</i>	54
SOME NOTES ON THE BIRDS OF BROWNSVILLE, TEXAS. By <i>Allan Brooks</i>	59
THE FIFTIETH STATED MEETING OF THE AMERICAN ORNITHOLOGISTS' UNION, OCTOBER 17-20, 1932. By <i>T. S. Palmer</i>	64
REPORT OF THE SECRETARY. By <i>T. S. Palmer</i>	80
REPORT OF THE COMMITTEE ON BIOGRAPHY AND BIBLIOGRAPHY. By <i>T. S. Palmer</i>	84
REPORT OF THE COMMITTEE ON BIRD PROTECTION. By <i>H. C. Bryant</i> ..	87

GENERAL NOTES.

The New Zealand Shearwater, *Thyellodroma bulleri*, off the Columbia River, Oregon, 91; Wilson's Petrel Banded at Sea, 91; Old Specimen of the Blue-faced Booby from Texas, 92; Flying with a Flock of Swans, 92; Summering Eiders off the Massachusetts Coast, 93; A Pennsylvania Black-crowned Night Heron Colony, 93; American Egret in Eastern Ontario, 94; American Egret in Lewis County, West Virginia, 94; Oil Gland Usually Tufted in *Hydranassa tricolor ruficollis*, 94; Eastern and Western Ducks, 95; Snow Goose at Northampton, Mass., 96; The Baikal Teal from King Island, Alaska, 97; Female Quail "Bob-whiting," 97; A Pennsylvania Specimen of the White Gyr Falcon, 97; Duck Hawk Bathing and Drinking, 98; The Purple Gallinule in Connecticut, 99; The Golden Plover Again in South Carolina, 99; Feeding Habits of the Turnstone, 99; Avocets and Spoonbills on Merritts Island, Fla., 100; Avocets in New Jersey, 100; The Ruff in New Jersey, 101; A Probable Record of the Eskimo Curlew at Montauk Point, N. Y., 101; The Western Willet in Winter in Georgia and South Carolina, 102; The Atlantic Kittiwake Taken in Central Iowa, 102; Ring-billed and Herring Gulls at the Savannah River Mouth in July and August, 103; Forster's Tern in Massachusetts Again, 104; Bridled Tern in South Carolina, 104; Bridled Tern, a New Bird for Alabama, 105; The Black Tern in Connecticut in Spring, 105; Winking of the Dovekie, 105; Long-eared Owl Nesting near Bristol, Va., 105; The Forgotten Georgia Owl, 106; Unusual Roosting of the Chuck-will's widow, 107; Late Nesting of the Yellow-

billed Cuckoo, 107; The Arkansas Kingbird in Michigan, 107; Nest-building and Egg-laying of the Prairie Horned Lark, 108; Notes on Tree Swallows and Bluebirds, 109; Purple Martins Gathering Leaves, 110; Canada Jay in Cheshire County, New Hampshire, 111; Chickadee Occupies a Robin's Nest, 111; The Courtship Flight of the Red-breasted Nuthatch, 112; Singing of the Red-breasted Nuthatch, 112; The Long-billed Marsh Wren in Maine, 112; Does the Robin Ever Lay White Eggs?, 113; Willow Thrush, a New Bird for Alabama, 113; Song of the Gray-cheeked Thrush, 114; A Late Nesting Waxwing in Central New York, 114; The Races of the White-eyed Vireo, 115; Brewster's Warbler in Blue-wing Plumage, 116; A Brewster's Warbler in North Carolina, 116; Spring Occurrence of the Tennessee Warbler in North Carolina, 117; The Magnolia Warbler on the South Carolina Coast, 117; Nesting of the Mourning Warbler near Toledo, Ohio, 117; Northern Yellow-throat at Lexington, Va., 118; Most Southern Pennsylvania Breeding Record of the Bobolink, 119; The Cowbird as Bait for the Capture of its Foster Parents, 122; Blue Grosbeak Breeding in Guatemala, 120; Molt of the Nonpareil, 121; Lark Sparrow Breeding in West Virginia, 121; Seaside Sparrow at Revere, Mass., 121; Acadian and Nelson's Sparrows in the Connecticut Valley, 122; Late Nesting of the Carolina Junco, 122; Shufeldt's Junco in Steuben Co., N. Y., 123; Song Sparrow in the Stomach of a Frog, 123; Chestnut-collared Longspur in Eastern Minnesota, 123; Field Notes from Sioux City, Iowa, 124; Notes from Southern Arizona, 124; Notes on Some Canal Zone Birds, 125; Bird Actions During the Total Eclipse of the Sun, August 31, 1932, 125.

RECENT LITERATURE.

Austin's 'Birds of Labrador,' 127; Portraits of New England Birds, 128; Weygandt's 'A Passing America,' 128; Street's 'Brief Bird Biographies,' 129; Baldwin and Kendeigh on the 'Physiology of the Temperature of Birds,' 129; Kendeigh and Shelford on Life Zones and Temperature Laws, 130; Lowe's 'Trail that is Always New,' 131; Cayley's 'Australian Finches in Bush and Aviary,' 132; Moody's 'Water-fowl and Game-birds in Captivity,' 133; Pearson on the Herons, 133; Stoner on Birds of the Oneida Lake Region, N. Y., 134; Loeppenthin's 'Birds of Northeastern Greenland,' 135; Hand-list of Japanese Birds, 136; Howard on Eagles of the Rancho La Brea Pleistocene, 137; The "Crested Grebe Enquiry" in Great Britain, 137; Shorter Publications, 138; The Ornithological Journals, 143.

CORRESPONDENCE.

Treatment of Hybrids, 151; Dates in Pleske's 'Birds of the Tundra,' 151; Correction, 152.

OBITUARIES.

Frederick J. Dixon, 153; John Wyley Atkins, 153; John Edward Harry Kelso, 154; Solon Rodney Towne, 154.

NOTES AND NEWS.

Status of 'The Auk,' 156; The Hawk and Owl Society, 156; The Early Volumes of 'The Auk,' 156; Publications of the Biological Society of Washington, 157; Sets of the 'Iowa Ornithologist,' 157; Invasion of Dovekies, 157.

NUMBER II.

	PAGE
ROBERT RIDGWAY: A MEMORIAL APPRECIATION. By <i>Harry C. Oberholser</i> . (Plate V.).....	159
AN INCUBATING WOODCOCK. By <i>Clarence Cottam</i> and <i>Leon Kelso</i> . (Plates VI and VII).....	170
THE MUSIC OF THE WOOD PEWEE'S SONG AND ONE OF ITS LAWS. By <i>Wallace Craig</i>	174
NOTES ON THE BIRDS OF JERUSALEM. By <i>R. W. Sheppard</i>	179
A COLLECTION SHOWING FOOD EATEN BY BIRDS. By <i>Emerson A. Stoner</i> . (Plate VIII).....	187
ADDITIONS TO THE VIRGINIA AVIFAUNA SINCE 1890. By <i>James J. Murray</i>	180
ON THE PALAEARCTIC ELEMENT IN THE A. O. U. CHECK-LIST (4TH EDIT.). By <i>F. C. R. Jourdain</i>	201

GENERAL NOTES.

White Pelican (*Pelecanus erythrorhynchos*) in British Columbia, 205; A Gannet in Delaware Co., Pa., 205; Great Blue Heron in Cuba: A Correction, 206; American Egret in Western Virginia, 206; American Egret Nesting in Delaware, 206; Snowy Egret in Arkansas, 206; The Type of *Egretta brevipes*, 206; Recent Records of the Flamingo in Florida, 207; The Whistling Swan (*Olor columbianus*) in South Carolina, 208; Gray Lag Goose in Massachusetts, 208; Blue Goose in Alabama, 209; Blue Goose in Maryland, 209; The Occurrence of the Brant (*Bernicla bernicla hrota*) in South Carolina, 209; The Cinnamon Teal: a New Bird for South Carolina, 210; Occurrence and Nesting of the Redhead in Montana, 210; White-winged Scoters in Eastern Kansas, 211; Peculiar Behavior of Hawks with Flocks of Starlings, 211; Status of the Genus *Geranoaetus*, 212; A Black Gyrfalcon (*Falco rusticolus obsoletus*) from New Hampshire, 212; Turkey Vulture at Ludlow, Mass., 212; A Second Specimen of the Fossil Bird *Bathornis veredus*, 213; Sight Records of the Eskimo Curlew, 214; Winter Range of Long-billed Curlew and Piping Plover, 215; The Yellow-legs Wintering in South Carolina, 215; Gull-billed Tern Nesting at Pensacola, Florida, 215; An Oregon Record of the Red-legged Kittiwake (*Rissa brevirostris*), 216; Great Black-backed Gull in Maryland, 216; Great Black-backed Gull on the South Carolina Coast, 217; Brännich's Murres Destroyed by Storm, 217; Brännich's Murre on Staten Island, N. Y., 217; Eastern Mourning Dove Migrating to Cuba?, 218; Western Mourning Dove in Central Mexico, 218; Testicular Asymetry in the Madagascar Coucal, 219; The Barn Owl (*Tyto alba pratincola*) in Maine, 220; Early Nesting of the Great Horned Owl, 220; Great Crested Flycatcher in New Jersey in November, 221; Lead-colored Bush-Tit near San Antonio, Texas, 221; Eastern Robin Laying White Eggs, 221; First record of Starling (*Sturnus vulgaris*) for Nebraska, 221; Cape May Warbler Destructive to Grapes, 222; Wilson's Warbler (*Wilsonia pusilla*) on the Coast of South Carolina, 223; English Sparrows apparently Feeding on Larvae of Hornets, 223; A Troupial Collected at Columbus, Ohio, 224; An Abnormally Colored Western Evening Grosbeak, 224; The Clay-colored Sparrow in Florida, 225; Eastern Henslow's Sparrow in North Carolina in Summer, 225;

Harris's Sparrow in Elkhart Co., Indiana, 225; Shufeldt's Junco in the East, 226; The Song Sparrow Now a Breeding Bird in South Carolina, 226; Lapland Longspur: An Addition to the Louisiana List, 226; An Eastern Snow Bunting from Georgia, 227; Notes from Northern Steuben Co., N. Y., 227; Concerning the Nesting Status of Certain Birds at Princeton, N. J., 229; Water Birds Observed at Reading, Pa., 230; Winter Records for the Coastal Region of North Carolina, 231; Notes from Western North Carolina, 232; Additional Notes from the North Carolina Mountains, 232; Rare Birds from the North Carolina Mountains, 233; Notes from Baldwin County, Alabama, 234; Some Recent Ohio Records, 234; Birds and Motor Cars, 236.

RECENT LITERATURE.

Chapin's 'Birds of the Belgian Congo,' 237; Hachisuka's 'Birds of the Philippine Islands,' 240; Stuart Baker's 'Nidification of Birds of the Indian Empire,' 241; Ticehurst's 'History of the Birds of Suffolk,' 241; Menegaux's 'Birds of France,' 242; Anderson on Methods of Collecting and Preserving Specimens, 242; Stead's 'Life Histories of New Zealand Birds,' 243; Taka-tsukasa's 'The Birds of Nippon,' 244; La Touche's 'Birds of Eastern China,' 244; Gorbunow's 'Birds of Franz-Joseph Land,' 245; Brooks and Pearson on Crows and Jays, 245; Palmgren's Recent Publications, on Animal Ecology, 245; Groebbels' 'Der Vogel,' 246; Heinrich's Expedition to Celebes and Halmahera, 247; Siewert on the White and Black Storks of Europe, 247; Other Publications, 248; The Ornithological Journals, 250.

OBITUARIES.

William Jacob Holland, 260; John Dymond, Jr., 260; Joseph Edward Hallinen, 261.

NOTES AND NEWS.

Semicentennial of the A. O. U., 262; Disposition of 'Auk' Papers, 263; Annual Meeting of the Virginia Society of Ornithology, 264; Annual Meeting of the Delaware Valley Ornithological Club, 264; Saving the Hawks in Ohio, 264; Check-List of the Birds of Russia, 264.

NUMBER III.

	PAGE
OUTRAM BANGS, 1863-1932. By <i>James L. Peters</i> . (Plate IX).....	265
TOPSELL'S 'FOWLES OF HEAVEN.' By <i>Bayard H. Christy</i> . (Plate X).....	275
THE RELATIONSHIP OF LIGHT PERIODICITY TO THE REPRODUCTIVE CYCLE, MIGRATION AND DISTRIBUTION OF THE MOURNING DOVE. By <i>L. J. Cole</i>	284
NOTES ON THE HAVEMEYER COLLECTION OF CENTRAL AMERICAN BIRDS. By <i>Ludlow Griscom</i>	297
SPEED OF BIRD FLIGHT. Compiled by <i>May Thacher Cooke</i>	309
THE FIRST APPEARANCE AND SPREAD OF THE EUROPEAN STARLING IN OHIO. By <i>Lawrence E. Hicks</i>	317

NOTES ON SOME BIRDS FROM SANTA CATHARINA, BRAZIL. By C. Eliot Underdown.....	323
THE DOVEKIE INFLUX OF 1932. By Robert Cushman Murphy and William Vogt.....	325

GENERAL NOTES.

A Record Colony of Yellow-crowned Night Herons, 350; Definite Breeding of the Glossy Ibis in Louisiana, 351; The Glossy Ibis in Georgia, 352; Greater Snow Goose at Troy Meadows, N. J., 352; The Blue Goose in North Carolina, 353; The Pintail Duck Wintering in Maine, 353; The European Widgeon again in Maine, 354; Teals Resting on Plowed Ground, 354; Blue-winged Teal Breeding in Cheshire County, N. H., 354; Golden Eagle in Louisiana, 355; Broad-winged Hawk and Starlings, 355; Eastern Red-tailed Hawk Breeding on the South Carolina Coast, 256; The Western Pigeon Hawk in Florida, 256; Notes on the Prairie Chicken in Indiana, 256; Some Feeding Habits of the Solitary Sandpiper, 257; A Willet in the Connecticut Valley in New Hampshire, 358; Northern Phalaropes on the New Jersey Coast, 358; Second Occurrence of the Northern Phalarope in South Carolina, 358; Wilson's Phalarope in Berkshire Co., Mass., 359; Golden Plover, A New Species for Alabama, 359; Black Terns at Harrisburg, Pa., 359; Terns near Phoenixville, Pa., 359; Laughing Gull Breeding on the South Carolina Coast, 360; Brünnich's Murre Feeding in Fresh Water, 360; West Virginia Breeding Record of the Saw-whet Owl, 361; Chuck-will's widow again in Ohio, 362; An Old Specimen of Hybrid Flicker from Central Arkansas, 362; Nesting of the Rough-winged Swallow in Montana, 362; The Starling as a Mimic, 363; The Names of Two Genera of Timaline Birds, 363; The Loggerhead Shrike, an addition to the Virginia Avifauna, 364; Western Palm Warbler in Massachusetts in Spring, 364; The Hoary Redpoll in Montana, 365; Bachman's Sparrow in the Virginia Blue Ridge, 265; A Late Migration of Fox Sparrows, 365; The Lark Sparrow in Virginia, 366; European Goldfinch in Western Massachusetts, 366; Notes on the Birds of Berkshire County, Massachusetts, 366; Notes from Dorchester Co., Maryland, 367; Winter Notes from Back Bay, Virginia and North Carolina, 368; Notes from Baldwin County, Alabama, 368; Notes from Mountain Lake, Florida, 370; Notes from Tippecanoe Co., Indiana, 370; Bird Notes from the Chicago Area, 371; Recent Records for Oklahoma and Texas, 373; The Importance of Stoneflies in the Winter Food of Certain Passerine Birds, 373; Speed of Racing Pigeons, 374.

RECENT LITERATURE.

Leopold's 'Game Management,' 376; Jones on 'Insect Coloration and the Relative Acceptability of Insects by Birds,' 377; Fauna of the National Parks, 377; Bond's 'My Bird Boarders,' 378; La Touche's 'Handbook of the Birds of Eastern China,' 378; Swann and Wetmore on the Birds of Prey, 378; Other Publications, 378; The Ornithological Journals, 381.

NOTES AND NEWS.

Financing 'The Auk,' 384.

NUMBER IV.

	PAGE
THE CUCKOO PROBLEM IN AUSTRALIA. By <i>A. H. Chisholm</i> . (Plate XI)	385
ANDREW J. GRAYSON: THE AUDUBON OF THE PACIFIC. By <i>Juliette Mouron Hood</i>	396
NOTES ON THE NESTING AND FEEDING OF A PAIR OF BLACK-THROATED GREEN WARBLERS. By <i>D. K. Reading</i> and <i>S. P. Hayes, Jr.</i> (Plate XII)	403
A BELATED HUMMINGBIRD. By <i>Minna Anthony Common</i>	408
SOME OBSERVATIONS OF THE NESTING HABITS OF THE BARN SWALLOW. By <i>Wendell P. Smith</i>	414
THE VOICE OF THE GOLDEN PLOVER. By <i>Charles A. Urner</i>	420

GENERAL NOTES.

Leach's Petrel Breeding in Massachusetts, 426; Anhinga Nesting in Liberty Co., Pa., 427; Spring Migration of the Great Blue Heron, 427; American Egret at Kingsville, Ontario, 428; Louisiana Heron, in Centre County, Pennsylvania, 428; The Jabiru in Western Guatemala, 429; Roseate Spoonbills and White Pelicans in Brevard County, Florida, 429; European Teal on Long Island, New York, 429; Courtship of the Hooded Merganser, 430; Turkey Vulture at Chicago, 431; Partial albinism in *Catartes aura septentrionalis*, 431; Golden Eagle in Louisiana, 431; *Pedioecetes phasianellus kenneicottii* Revived, 432; Extralimital Records for Baird's Sandpiper, 433; Breeding Range of Herring Gull Extended, 433; Little Gull again in Upper New York Bay, 434; Migration of Brännich's Murre along Shore, 435; "Nyctale fasciata" of Bertoni, 345; Indiana Specimen of Great Gray Owl, 436; Long-eared and Short-eared Owls in Northwest Arkansas, 436; An Albino Short-eared Owl, 436; An apparently Unnoticed Trait of Whip-poor-will, 436; A Male Kingfisher Incubating at Night, 437; Male Woodpeckers Incubating at Night, 437; Yellow-bellied Sapsucker Breeding in the Virginia Blue Ridge, 437; Prairie Horned Lark Summering in Lancaster County, Pa., 438; Prairie Horned Lark Breeding at Mount Holly, N. J., 438; Nesting of the Prairie Horned Lark in Central Virginia, 438; Barn Swallows Breeding on the Gulf Coast, 439; A Late Nesting Colony of Cliff Swallows at Lexington, Va., 439; Robins Nesting in Extreme Southern Louisiana, 439; Starlings Wintering in Central and Western Texas, 440; Golden-winged Warbler Feeding on Larvae of *Talponia plummeriana*, 440; Brewster's Warbler in Ashtabula County, Ohio, 441; American Redstart Breeding in North Louisiana, 441; Color of the Iris of Brewer's Blackbird, 442; Unusual Behavior of Female Summer Tanager, 442; Pine Grosbeak Nesting in Connecticut, 442; Apparent Range Extension of the Eastern Savannah Sparrow, 443; Gambel's Sparrow in Ohio, 443; Notes from the Coast of Connecticut, 444; Notes from the Connecticut Valley in Massachusetts, 445; Notes from Jones Beach, N. Y., 445; Notes from the Virginia Mountains, 447; Summer Records from the Virginia Piedmont, 448; Some Breeding Records for Ohio, 448; Notes from Eastern Kansas, 449; Records from the Dominican Republic, 450; Birds Eating Sawfly Larvae, 451; Some Bird Enemies of Odonata, 452; Flight Speed of Some Birds, 452; A Suggestion for a Scientific Method of Studying Bird Sounds, 453.

RECENT LITERATURE.

Boulton's 'Traveling with the Birds,' 455; Taka-Tsukasa's 'The Birds of Nippon,' 455; Stuart Baker's 'Nidification of Birds of the Indian Empire,' 456; A Vermont Bird List, 456; Wetmore and Brooks on Eagles, Hawks and Vultures, 457; Annual Report of the Hawk and Owl Society, 457; Yearbook of the Indiana Audubon Society, 458; Breeding Colonies of the White Pelican, 458; Other Publications, 458; The Ornithological Journals, 460.

OBITUARY.

Barton Warren Evermann, 465.

NOTES AND NEWS.

Jubilee Meeting of the A. O. U., 467; Eighth International Ornithological Congress, 467; Harry S. Swarth, personal mention, 468; F. M. Chapman's autobiography, 468; University of Wisconsin Chair of Game Management, 468.

ILLUSTRATIONS.

PLATES.

- I. Charles Wallace Richmond.
- II. Nest of Bald Eagle (two views).
- III. Nest of Bald Eagle (two views).
- IV. Young Bald Eagles (two views).
- V. Robert Ridgway.
- VI. Nest of Woodcock (two views).
- VII. Young Woodcock and Parent covering young (two views).
- VIII. Boxes for displaying contents of bird stomachs.
- IX. Outram Bangs.
- X. Plate of the Chuwheeo (Towhee) from Topsell's 'Fowles of Heauen.'
- XI. Young Australian Cuckoos being fed by foster parents (two views).
- XII. Black-throated Green Warblers and parent (two views).

TEXT FIGURES.

- p. 25, Habitat of *Pseudocalyptomena*.
 p. 174, Two cuts of music of Wood Pewee's song.
 p. 175, One cut of music of Wood Pewee's song.
 p. 294, Chart of spring migration of the Mourning Dove.

THE AUK

A Quarterly Journal of Ornithology

ORGAN OF THE AMERICAN ORNITHOLOGISTS' UNION

Edited by Dr. Witmer Stone

ACADEMY OF NATURAL SCIENCES, LOGAN SQUARE

PHILADELPHIA, PA.

To whom all articles and communications intended for publication and all books and publications for review should be sent.

Manuscripts for leading articles must await their turn for publication if others are already on file, but they must be in the editor's hands at least six weeks before the date of issue of the number for which they are intended, and manuscripts for 'General Notes,' 'Recent Literature,' etc., not later than the first of the month preceding the date of issue of the number in which it is desired they shall appear.

Twenty-five copies of leading articles are furnished to authors free of charge. Additional copies or reprints from 'General Notes,' 'Correspondence,' etc., must be ordered from the editor when the manuscript is submitted.

THE OFFICE OF PUBLICATION

8 WEST KING STREET, LANCASTER, PA.

Subscriptions may also be sent to W. L. McAtee, Business Manager, 200 Cedar St., Cherrydale, Va. Foreign Subscribers may secure 'The Auk' through H. F. and G. Witherby, 326 High Holborn, London, W. C.

Subscription, \$4.00 a year. Single numbers, one dollar.

Free to Honorary Fellows, and to Fellows, Members, and Associates of the A. O. U., not in arrears for dues.

OFFICERS OF THE AMERICAN ORNITHOLOGISTS' UNION

President: JAMES H. FLEMING, 267 Rusholme Road, Toronto, Canada.

Vice Presidents: ARTHUR CLEVELAND BENT, Taunton, Mass., HERBERT FRIEDMANN, U. S. National Museum, Washington, D. C.

Secretary: T. S. PALMER, 1939 Biltmore St., Washington, D. C.

Treasurer: W. L. McATEE, 200 Cedar St., Cherrydale, Va.

MEETINGS OF THE A. O. U.

Meeting	Date	Place	Fellows Present	Total Membership
1	1883, Sept. 26-28	1st New York	21	23
5	1887, Oct. 11-13	1st Boston	17	284
10	1892, Nov. 15-17	4th Washington	20	557
11	1893, Nov. 20-23	2d Cambridge	17	582
12	1894, Nov. 12-15	6th New York	15	616
13	1895, Nov. 11-14	5th Washington	19	667
14	1896, Nov. 9-12	3d Cambridge	14	673
15	1897, Nov. 8-11	7th New York	18	679
16	1898, Nov. 14-17	6th Washington	21	695
17	1899, Nov. 13-16	1st Philadelphia	16	744
18	1900, Nov. 12-15	4th Cambridge	19	748
19	1901, Nov. 11-14	8th New York	18	738
20	1902, Nov. 17-20	7th Washington	25	753
20a	1903, May 15-16	1st San Francisco	7	—
21	1903, Nov. 16-19	2d Philadelphia	19	775
22	1904, Nov. 28-Dec. 1	5th Cambridge	17	808
23	1905, Nov. 13-16	9th New York	17	860
24	1906, Nov. 12-15	8th Washington	24	750
25	1907, Dec. 9-12	3d Philadelphia	20	850
26	1908, Nov. 16-19	6th Cambridge	17	888
27	1909, Dec. 6-9	10th New York	19	866
28	1910, Nov. 14-17	9th Washington	23	897
29	1911, Nov. 13-16	4th Philadelphia	18	887
30	1912, Nov. 11-14	7th Cambridge	18	929
31	1913, Nov. 10-13	11th New York	28	992
32	1914, Apr. 6-9	10th Washington	27	1101
33	1915, May 17-20	2d San Francisco	11	1156
34	1916, Nov. 13-16	5th Philadelphia	26	830
35	1917, Nov. 12-15	8th Cambridge	21	891
36	1918, Nov. 11	12th New York	14	953
37	1919, Nov. 10-13	13th New York	28	1024
38	1920, Nov. 8-11	11th Washington	25	1142
39	1921, Nov. 7-10	6th Philadelphia	25	1351
40	1922, Oct. 23-26	1st Chicago	24	1457
41	1923, Oct. 8-11	9th Cambridge	25	1652
42	1924, Nov. 10-13	1st Pittsburgh	26	1637
43	1925, Nov. 9-12	14th New York	30	1705
44	1926, Oct. 11-14	1st Ottawa	22	1815
45	1927, Nov. 14-17	12th Washington	30	1772
46	1928, Nov. 19-22	1st Charleston	27	1741
47	1929, Oct. 21-24	7th Philadelphia	25	1858
48	1930, Oct. 20-23	1st Salem	31	1960
49	1931, Oct. 19-22	1st Detroit	23	1975
50	1932, Oct. 17-20	1st Quebec	21	2036

The next Stated Meeting will be held in New York, N. Y., November 13-16, 1933.