

# BIRD-BANDING

INDEX TO VOLUMES I-VI

1930-1935



# BIRD-BANDING

INDEX TO VOLUMES I-VI

1930-1935

PREPARED BY

MAURICE BROUN

PUBLISHED WITH THE ASSISTANCE OF

THE EASTERN BIRD-BANDING ASSOCIATION, THE  
INLAND BIRD-BANDING ASSOCIATION, AND THE  
AUSTIN ORNITHOLOGICAL RESEARCH STATION

BY

THE NORTHEASTERN BIRD-BANDING ASSOCIATION  
210 SOUTH STREET, BOSTON

1936

# BIRD-BANDING

## INDEX TO VOLUMES I-VI

1930-1935

- Accipiter cooperi*. See Hawk, Cooper's  
*Accipiter nisus*. See Hawk, Sparrow  
*Acrocephalus arundinaceus*. See Warbler, Reed  
*Acrocephalus palustris*. See Warbler, Little Swamp  
*Actitis macularia*. See Snipe, Spotted  
*Ægithalos caudatus europæus*. See Titmouse, Long-tailed  
*Agelaius phoeniceus phoeniceus*. See Blackbird, Eastern Red-winged  
AGOSTINI, A. See Chigi, F.  
*Aix sponsa*. See Duck, Wood  
*Alauda arvensis arvensis*. See Sky-Lark  
ALBERTSON, W.  
Remating of two pairs of Common Terns (rev.), vi. 42  
See also Resühr, L. B.  
Albinism in Auk, Razor-billed, i. 102  
in Grackle, Purple, ii. 130, iii. 179  
in Junco, Slate-colored, ii. 169, iii. 73  
*Alca torda*. See Auk, Razor-billed  
*Alcedo atthis ispada*. See Kingfisher, European  
Alcidæ, banding of, in the Gulf of St. Lawrence, i. 95-103  
ALEXANDER, W. B.  
Helgoland Bird Observatory (rev.), v. 140  
Alle alle. See Dovekie  
ALLEE, W. C. See Masure, R. H.  
ALLEN, ARTHUR A., i. 189  
The Book of Bird Life (rev.), i. 147  
Sex Rhythm in the Ruffed Grouse and Other Birds (rev.), v. 144  
Banding Bats (rev.), vi. 72  
ALLEN, FRANCIS H.  
The Rôle of Anger in Evolution, (rev.), vi. 40-41  
Mrs. Nice on Territory, vi. 99-102  
*Aluco pratincola*. See Owl, Barn  
*Ammodramus savannarum australis*. See Sparrow, Eastern Grasshopper  
*Ammospiza caudacuta nelsoni*. See Sparrow, Nelson's  
*Anas platyrhynchos platyrhynchos*. See Mallard, Common  
*Anas rubripes rubripes*. See Duck, Red-legged Black  
*Anas rubripes tristis*. See Duck, Common Black  
*Anser brachyrhynchos*. See Goose, Pink-footed  
*Anser fabalis fabalis*. See Goose, Bean  
*Antrostomus vociferus vociferus*. See Whip-poor-will, Eastern  
Aphisigraph, use of, in studying nesting habits of birds, iv. 209  
*Apus apus*. See Swift, European  
*Apus melba melba*. See Swift, Alpine  
"Aquila," 36-37, 1929 and 1930, (rev.), iv. 117-118  
*Aquila chrysaetos chrysaetos*. See Eagle, European Golden  
*Aquila chrysaetos canadensis*. See Eagle, American Golden  
*Ardea cinerea cinerea*. See Heron, European  
*Ardea herodias herodias*. See Heron, Great Blue  
*Ardea purpurea*. See Heron, Purple  
*Arenaria interpres interpres*. See Turnstone, European  
*Arenaria interpres morinella*. See Turnstone, Ruddy  
ASHMORE, S. E.  
Time of Singing of the Goatsucker (rev.), vi. 77  
ASTLEY, A.  
Young Swallows assist in Building the Second Nest (rev.), vi. 74  
*Astragalinus tristis tristis*. See Goldfinch, Eastern  
Auk, Razor-billed  
Albinistic, i. 102  
Banding of, i. 96-97  
Mortality, i. 97  
Recoveries, ii. 88, iv. 163  
Returns, i. 102  
AUSTIN, OLIVER L., i. 130, ii. 77  
Avian Mortality, ii. 166-169  
Duration of Life of the Roseate Tern, iii. 34  
The Austin Ornithological Research Station, iii. 51-63  
The Status of the Cape Cod Terns in 1932, iii. 143-156  
A Cowbird Attempts to Parasitize Barn Swallows, iii. 178  
The Occurrence of Botulism in Herring Gulls, iii. 178

- AUSTIN, OLIVER L. (*con.*)  
The Status of Cape Cod Terns in 1934, v. 155-171
- AUSTIN, OLIVER L., JR., i. 130, ii. 134, vi. 24  
Cobb Island, iii. 12-25  
An Interesting Great Horned Owl Capture, iii. 33  
Tree Sparrow Movements on Cape Cod, iii. 81-85  
Further Contributions to the Knowledge of the Cape Cod Sterninae, iii. 123-139  
The Birds of Newfoundland Labrador (*rev.*), iv. 162  
The Status of Cape Cod Terns in 1933, iv. 190-198  
Review by, iv. 207-208
- AUSTIN, OLIVER L., JR., and DALLAVALLE, J. M.  
The Statistical Trends of Banding, i. 20-28
- AUSTIN, OLIVER L., JR., and LOW, S. H.  
Notes on the Breeding of the Tree Swallow, iii. 39-44
- Austin Ornithological Research Station, North Eastham, Massachusetts, ii. 134, iii. 28, 51-63, 108, 119, iv. 50, 52, 70, 94, 157-159, v. 47, 184, 189, 192, vi. 67  
Contributions from, i. 20-28, ii. 166-169, 178-184, iii. 39-44, 51-65, 81-84, 123-139, 143-156, 176-179, iv. 76-87, 109-111, 190-198, v. 24-30, 36-41, 85-88, 155-171, vi. 16-22, 61-65  
List of species banded during 1930 and 1931, iii. 59-63  
Avocet, European, recoveries of, iii. 36
- Bæolophus bicolor. *See* Titmouse, Tufted
- BAILEY, VERNON  
Pole Traps for Taking Birds Without Injury (*rev.*), vi. 140  
Baldpate, recoveries of, iv. 21, 23, 24, 146, 181
- BALDWIN, DOROTHY A.  
Interesting Chickadee Records, iv. 55  
A Travelling Potter Trap, iv. 160  
Three Returning Mated Pairs of Chickadees, v. 47  
Returning Chickadee Mates, iv. 35  
Black-capped Chickadee Age Records, vi. 69  
Percentages of Surviving Chickadees of Different Ages, vi. 69  
Some Experience with the Northern Shrike, vi. 70  
A Tree Sparrow Age Record, vi. 104
- BALDWIN, S. PRENTISS  
Correspondence Concerning Bird-Banding and Terminology, i. 91  
Bird-Banding by Systematic Trapping (*rev.*), ii. 134  
*See also* Lincoln, Frederick C.
- BALDWIN, S. PRENTISS, and KENDEIGH, S. CHARLES  
The Mechanical Recording of the Nesting Activities of Birds (*rev.*), ii. 88  
The Physiology of the Temperature of Birds (*rev.*), iv. 116
- BALDWIN, S. PRENTISS, KENDEIGH, S. C., and FRANKS, R. W.  
The Protection of Hawks and Owls in Ohio (*rev.*), v. 100  
Bands, colored and enamelled, i. 158, v. 102  
Directions for making celluloid, ii. 44  
Method of applying celluloid, iii. 35
- BARON, S.  
Nest Mortality (*rev.*), vi. 42
- BARTEL, KARL E.  
Three Great Blue Heron Recoveries, v. 48  
Bats, banding of, vi. 72
- BEALS, MARIE V.  
A White-throated Sparrow Recovered in Maryland, iv. 56
- BECK, G.  
The Feeding Habits of Four Hens (*rev.*), v. 100  
Belgium, bird-banding in, v. 96-97, vi. 37
- BENSON, S. B. *See* Ritter, William
- BESSERE, J., and DROST, R.  
Bird Migration and Electricity (*rev.*) vi. 72
- Biological Survey, its first decade of bird-banding, ii. 27-32  
Figures for bandings in North America, 1920 to 1932, v. 97, 1920 to 1934, vi. 37, 1920 to 1935, vi. 140  
Bird-Banding, by Systematic Trapping (*rev.*), ii. 134  
Manual of (*rev.*), i. 50  
Opportunities of, v. 64-69  
Secondary Results of, i. 67-69  
Stations, Distribution of, i. 127-136, vi. 25-28  
Statistical Trends of, i. 20-28  
Technique (*rev.*), vi. 108, 140  
Terminology, i. 14-19, 91-94, 148
- Bird-Banding in Antarctica, v. 137  
Belgium, v. 96-97, vi. 37  
Denmark, iii. 36, v. 50-51  
Finland, vi. 108  
France, v. 140-141, vi. 72  
Germany, v. 140

- Bird-Banding in Antarctica**  
 Great Britain, i. 195, ii. 88, vi. 37, 140  
 Holland, iii. 37, v. 139-140  
 Hungary, iv. 117, v. 196  
 Italy, vi. 72  
 Japan, iii. 1-2  
 North America, ii. 27-32, v. 97, vi. 37, 140  
 Russia, v. 96  
 Sweden, v. 49-50  
 Switzerland, iv. 117, v. 139
- BISSONNETTE, THOMAS HUME**  
 Experiments on the Modification of the Sexual Cycle in Starlings (reviews of five papers), iii. 79-80
- BISSONNETTE, THOMAS HUME, and WADLUND, ARTHUR P. R.**  
 Testis Activity in *Sturnus vulgaris*, in Relation to Artificial Sunlight and to Electric Lights of Equal Heat and Luminous Intensities, iv. 8-18
- Blackbird, Brewer's**  
 First Nesting and Banding Record in Illinois, i. 188  
 Physiological experiments with, vi. 145
- Blackbird, Eastern Red-winged**  
 External parasites collected from, iv. 73  
 Group habit in, iii. 117  
 Measurements of, v. 60-61  
 Recovery of, vi. 136  
 Return of, ii. 185, iii. 32, 113, vi. 136  
 Sex recognition in, vi. 147
- Blackbird, European**  
 Age records, ii. 43, v. 49, 200  
 Bigamy in, vi. 74  
 Migration of, i. 148  
 Migratory instinct of, dying out, iv. 118  
 Roosting habits of, vi. 77
- Blackbird, Florida Red-winged**  
 Homing instinct in, v. 192
- Blackbird, Red-winged. See Blackbird, Eastern and Florida Red-winged**
- Blackbird, Rusty**  
 External parasites taken from, iv. 73  
 Measurements of, v. 60-61
- Blackcap**  
 Recovery of, and speed of migration, v. 196
- Blood-Parasites of Birds, vi. 130-133**
- Bluebird, Eastern**  
 Banding and study of, during three years, vi. 117-125  
 Complicated family history of, iv. 114-115  
 External parasites collected from, iv. 72
- Bluebird, Eastern (con.)**  
 Group habit in, v. 40  
 Juveniles feeding young of second brood, iv. 199  
 Mating of, i. 70-71, ii. 43, v. 40  
 Measurements of, v. 58, 62  
 Mortality of, iv. 111, v. 41  
 Nesting habits of, i. 171, iv. 109, vi. 117  
 Nesting of, successful in spite of Protocalliphora, iii. 73  
 Protocalliphora infestation of, i. 169-172, iii. 26, 73  
 Recoveries of, iv. 111  
 Returns of, iv. 111  
 Returns of nestlings, v. 39-40  
 Studies of, on Cape Cod, v. 39-41  
 Weights of, iv. 53, v. 59
- BOARDMAN, C. E.**  
 Midwinter Banding of Eastern Snow Buntings, Lapland Longspurs, and Horned Larks in North Dakota, v. 129-131
- Bobolink**  
 Measurements and weights of, v. 60-61
- Bob-white**  
 Counts of red blood cells in, vi. 145  
 External parasites collected from, iv. 70  
 Measurements and weights of, v. 58-59  
 Mobility of, as indicated by returns, iv. 1-7  
 Population studies of, vi. 76  
 Returns of, iv. 2, 6
- BOGGS, MARION A., i. 81**  
 Longevity of Brown Thrashers, v. 191  
 Some Age-Records of Catbirds, Brown Thrashers, Red-eyed Towhees, White-throated Sparrows, and Song Sparrows, vi. 134
- Bombycilla cedrorum. See Waxwing, Cedar**
- Bonasa umbellus umbellus. See Grouse, Eastern Ruffed**
- Botulism, occurrence of, in a Herring Gull, iii. 178**
- BOULTON, RUDYERD**  
 Traveling With the Birds (rev.), iv. 211
- BOWDISH, BEECHER S.**  
 A Common Tern Recovery, ii. 185  
 The Number of Eggs Laid by the Vesper Sparrow, iii. 33  
 Albinistic Juncos, iii. 73  
 A Tree Sparrow over Eight Years Old, iii. 73
- BRAND, ALBERT R.**  
 A Method for the Intensive Study of Bird Song (rev.), vi. 76

- Branta canadensis canadensis.* See Goose, Canada.
- BRAUCHER, P. F. See Riddle, O.
- BRAUN, HOWARD W.  
Studies of Warbler Migration near Canton, Ohio, vi. 81-89  
The Semi-Spring Plumage of Male Indigo Buntings, vi. 135
- BRETSCH, CLARENCE  
Eastern Red-winged Blackbird Returns, iii. 113
- BRINKMANN, M.  
The Increase of White Storks in Oberschlesien since 1928 (rev.), v. 200
- "British Birds," Review of, i. 195
- BROWN, MAURICE, i. 86, 131  
First Banding of the Little Blue Heron in New England, ii. 34  
Repeating White-throats, ii. 37  
A Return Song Sparrow a Victim of a Return Sparrow Hawk, iii. 119  
Some Rare or Unusual Birds Banded on Cape Cod, iii. 176  
Some Live Weights and Measurements of Small Birds, iv. 52  
A Palm Warbler Recovered in Newfoundland, iv. 156  
Some Interesting Recoveries, iv. 157  
Shorebird-Banding on Cape Cod, v. 36-38  
A Semipalmated Sandpiper Recovery, v. 47  
Migratory Movements of Eastern Fox Sparrows on Cape Cod, in Relation to the Weather, v. 85-88
- BRYANT, LINCOLN, JR.  
Some Notes on the Breeding of the Vesper Sparrow, ii. 178-184
- BRYENS, OSCAR MCKINLEY  
Three Snow Bunting Returns-W, and a Recovery, i. 187  
A Recovery and a Return from the Highway, ii. 85  
More Snow Bunting Returns-W, ii. 127  
A Prairie Horned Lark Return, ii. 130  
A Snow Bunting Recovered in Greenland, iii. 68  
Another Snow Bunting Recovery, iii. 69  
Nine More Snow Bunting Returns-W, iii. 175  
Two Pairs of Tree Swallows Mated during Two Seasons, iii. 177  
Eighteen More Snow Bunting Returns-W, iv. 206  
Eastern Savannah Sparrow Returns, v. 90
- BRYSON, D. See Searle, William, Jr.
- BUCHAN, J. N. S. See Harrison, T. H.
- Bulbul, Brown-eared, bandings and returns of, in Japan, iii. 2
- Bunting, Corn  
Nesting habits, v. 202-203, vi. 41-42  
Nesting success, vi. 42
- Bunting, Indigo  
Group habit in, iii. 110, v. 153  
Plumage, vi. 135  
Returns, i. 134, iii. 110, vi. 135
- Bunting, Snow  
External parasites collected from, iv. 75  
Midwinter banding of, in North Dakota, v. 129-131  
Recoveries, i. 187, ii. 127, iii. 68  
Returns, i. 187, ii. 127, iii. 175, iv. 206  
Territory in, vi. 110  
Trapping, v. 129
- Bunting, Yellow  
Age record, v. 200  
Thyroid studies of, vi. 145
- BURKITT, J. P.  
Study of the English Robin by means of marked birds, i. 152, 168
- Bush-tit, Black-eared, nesting habits of, vi. 143
- BUSSMAN, JOSEF  
Experiments with the Terragraph on the Activities of Nesting Birds, iv. 33-40
- Buteo borealis borealis. See Hawk, Eastern Red-tailed
- Buteo buteo buteo. See Buzzard, Common
- Buteo lineatus lineatus. See Hawk, Northern Red-shouldered
- Butorides virescens virescens. See Heron, Eastern Green.
- BUTTS, WILBUR K., i. 121, 140  
A Study of the Chickadee and White-breasted Nuthatch by Means of Marked Individuals, i. 149-168, ii. 1-26, 59-75
- Buzzard, Common  
Age record, v. 139  
Return of, ii. 190
- Calcarius lapponicus lapponicus.* See Longspur, Lapland
- "Canadian Field-Naturalist" (rev.), i. 90
- Canvas-back  
Recoveries of, iii. 142, iv. 90, 146  
Sex ratio in, v. 195
- Capella delicata. See Snipe, Wilson's
- Caprimulgus europæus europæus. See Goatsucker
- Cardinal, Eastern  
Age records, v. 100, 200

- Cardinal, Eastern (*con.*)  
   Courtship, v. 53  
   External parasites collected from, iv. 73  
   Mating, i. 70-71, vi. 112  
*Cardinalis cardinalis cardinalis*. *See* Cardinal, Eastern  
*Carduelis cannabina*. *See* Linnet  
*Carduelis spinus*. *See* Siskin, European  
*Carpodacus mexicanus frontalis*. *See* Finch, House  
*Carpodacus purpureus purpureus*. *See* Finch, Eastern Purple  
 Castel Fusano, ornithological station  
   Trapping and banding at, ii. 133-134, iv. 59-67  
 Catbird  
   Age Records, v. 52, vi. 67, 134  
   Bee-eating, i. 43  
   Distribution (local), i. 185  
   External parasites collected from, iv. 72  
   Foot disease, i. 33-34  
   Measurements of, v. 58-59  
   Mating, i. 70  
   Migration study, from 1929 to 1934, v. 182  
   Returns, i. 186, v. 183  
   Trapping, i. 185  
   Weights of, iv. 52, v. 59  
*Cathartes aura septentrionalis*. *See* Vulture, Turkey  
 CATHELIN, F.  
   Bird Migration and Electricity (*rev.*), vi. 71  
 Censuses (miscellaneous papers reviewed by Mrs. Nice), v. 199, vi. 76, 141-142  
*Centurus carolinus*. *See* Woodpecker, Red-bellied  
*Cephus grylle grylle*. *See* Guillemot, Black  
*Certhia familiaris americana*. *See* Creeper, Brown  
*Chætura pelagica*. *See* Swift, Chimney  
 Chaffinch  
   Age records of, iv. 117, v. 49  
   Flight of, in relation to the wind, ii. 190  
*Chamaea fasciata fasciata*. *See* Wren-Tit, Gambel's  
 CHAPMAN, FRANK M.  
   My Tropical Air Castle (*rev.*), i. 85  
   Handbook of Birds of Eastern North America (*rev.*), iii. 75  
 CHAPMAN, LAWRENCE B.  
   A Plea for Coöperative Ornithology, vi. 32  
   Studies of a Tree Swallow Colony, vi. 45-57  
 CHAPPELLIER, M. A.  
   Reports on Banding of Rooks and Herons in France (*rev.*), v. 140-141  
*Charadriidæ*, table showing bandings and returns of, in Japan, iii. 2  
*Charadrius semipalmatus*. *See* Plover, Semipalmated  
 Chardonneret trap, i. 81, 82  
 Chat, Yellow-breasted  
   Banding of, near Canton, Ohio, vi. 88  
   Weights of, iv. 53  
   "Check-List of the American Ornithologists' Union" (*rev.*), iii. 77  
 Chickadee, Black-capped  
   Age records, ii. 24, iii. 118, iv. 55, vi. 69, 136  
   External parasites collected from, iv. 71  
   Group habit in, ii. 9-10  
   Mating of, and adoption of young, ii. 23  
   Measurements of, iv. 52, v. 58-59  
   Migration of, ii. 1, 72  
   Plumage of, iv. 160  
   Recoveries of, ii. 22, iv. 115  
   Returns of, v. 47-48, vi. 35, 136  
   Sex differentiation in, ii. 20  
   Study of, by means of marked individuals, i. 149-168, ii. 1-26  
   Survival percentages, vi. 69  
   Territorial range of, ii. 9, 21  
   Trapping of, i. 167  
   Weights of, iv. 52, v. 59  
 Chickadee, Carolina  
   Remating of, iv. 157  
   Territorial range of, iv. 157  
   Weight of, iv. 157  
 CHIGI, FRANCESCO  
   Methods of Capturing Birds at the Ornithological Station of Castel Fusano, Italy, iv. 59-67  
   Homing Pigeons (*rev.*), vi. 38  
   Experiments in Raising Swallows (*rev.*), vi. 74  
 CHIGI, F., AGOSTINI, A., and ROTONDI, M.  
   Migration of the European Quail (*rev.*), vi. 140  
*Chloris chloris*. *See* Greenfinch  
 CHRISTOFFERSON, K.  
   Male Eastern Red-wing Returns and Recoveries, vi. 136  
   Common Black Duck, Red-legged Black Duck, and Mallard Sex-Ratios, vi. 138  
*Ciconia alba*. *See* Stork, White  
*Ciconia ciconia ciconia*. *See* Stork, White  
*Ciconia nigra*. *See* Stork, Black  
*Cinclus cinclus gularis*. *See* Dipper

- Circus cyaneus*. See Harrier, Hen  
*Circus hudsonius*. See Hawk, Marsh  
*Circus pygargus*. See Harrier, Montagu's  
 CLANCEY, P. A.  
 Habits of Kingfishers (rev.), vi. 143  
 CLARY, MARJORIE D.  
 Trapping Birds with Nesting-Materials, ii. 88  
 Cobb Island, iii. 12-25  
 COCHRAN, MRS. ARCH  
 Two Migrating Returns of Olive-backed Thrushes, vi. 66  
 COGELS, JOSEPH  
 Photograph by, of Breeding Colony of Black-headed Gulls, vi. 23  
*Colaptes auratus luteus*. See Flicker, Northern  
 COLE, LEON J.  
 The Relation of Light Periodicity to the Reproductive Cycle, Migration, and Distribution of the Mourning Dove (rev.), v. 142  
*Colinus virginianus virginianus*. See Bob-white  
 COLLENETTE, D. L.  
 Bird-trapping in a Suburban Garden [in Essex, England] (rev.), i. 196  
*Compsothlypis americana pusilla*. See Warbler, Northern Parula  
 Conservation, v. 100-101  
 Progress of, in Canada, ii. 105-115  
 Coot, European  
 Late nesting of, due to drought, vi. 145  
 Territorial behavior of, v. 143  
*Coragyps atratus atratus*. See Vulture, Black  
 Cormorant, Blue-eyed  
 Banding of, in the Antarctic, v. 188  
 Return of, v. 188  
 Cormorant, Common. See Cormorant, European  
 Cormorant, Double-crested  
 Bandings of, in Gulf of St. Lawrence, i. 103  
 Colony in the Gulf of St. Lawrence, i. 95  
 Natural History of (rev.), i. 85-86  
 Recoveries of, ii. 135  
 Cormorant, European (*Phalacrocorax carbo* and subsp.)  
 Age record, ii. 43, v. 140  
 Banding of, in Gulf of St. Lawrence, i. 103, ii. 33  
 Recoveries, i. 195  
 Return to natal colony, ii. 33, 128, v. 132-133  
 Corn-Bunting. See Bunting, Corn  
*Corthylio calendula calendula*. See Kinglet, Eastern Ruby-crowned  
 Corvidæ in France  
 Rookeries and roosts of (rev.), vi. 142  
*Corvus brachyrhynchos brachyrhynchos*. See Crow, Eastern  
*Corvus cornix cornix*. See Crow, Hooded  
*Corvus corone*. See Crow, Carrion  
*Corvus frugilegus*. See Rook  
 COTTAM, CLARENCE  
 Night Migration of Eastern Chipping Sparrows, iv. 54  
 Nelson's Sparrow and Tree Swallow Wintering in New Jersey, iv. 115  
*Coturnix coturnix coturnix*. See Quail, Migratory  
*Coturnix coturnix japonica*. See Quail, Migratory Chinese  
 Cowbird, Eastern  
 Age record, ii. 127  
 Attempt to parasitize Barn Swallows, iii. 179  
 External parasites collected from, iv. 73, vi. 145  
 Homing instinct, i. 42  
 Measurements of, v. 60-62  
 Parasitizing Song Sparrows, iii. 46-50, iv. 129  
 Reared by Maryland Yellow-throat, iii. 166  
 Study in the Biology of Social Parasitism (rev.), i. 48  
 Weights, i. 192, iv. 53, v. 61  
 Creeper, Brown  
 Return of, vi. 136  
 Weights of, iv. 52  
 CRIDDLE, NORMAN  
 The Number of Eggs per Nest of the Vesper Sparrow, iii. 114  
 Crossbill, European, i. 147-148  
 Crow, Carrion  
 Age record, v. 145  
 Permanent mating of a pair of, v. 145  
 Crow, Eastern  
 Age record, i. 91, ii. 192  
 Banding of, ii. 131  
 Movements of, on Cape Cod, v. 192  
 Recoveries of, i. 91, iv. 157, v. 193  
 Return of, v. 192  
 Sex ratios and weights of, vi. 65-66  
 Crow, Hooded  
 Migration of, iii. 120  
 Recoveries and returns of, ii. 189  
 CROWELL, ETHEL M., i. 133, ii. 77  
 Two Common Tern Returns and a Roseate Tern Recovery, iii. 33  
*Cryptoglaux acadica acadica*. See Owl, Saw-whet  
 Curlew, European  
 Age records, v. 49  
 Early-summer wandering of, iii. 120  
 Migration of, i. 148

- CUTLER, MRS. FREDERICK MORSE  
A Chickadee Recovery, iv. 115
- Cyanocitta cristata cristata. *See* Jay,  
Northern Blue
- Cygnus olor. *See* Swan, Mute
- Dafila acuta acuta. *See* Pintail, Eurasian
- Dafila acuta tzitzihua. *See* Pintail,  
American
- DALEY, FLORENCE K.  
Immature Returning Chipping Sparrows, ii. 79  
Song Sparrow, Junco, and Purple Finch Recoveries, ii. 83
- DALLAVALLE, J. M. *See* Austin, Oliver L., Jr.
- DAMRACH, CHARLES A. *See* Hicks, Lawrence E.
- DANFORTH, C. H., and PRICE, J. B.  
Failure of Theelin and Thyroxin to Affect Plumage and Eye-color of the [Brewer's] Blackbird (rev.), vi. 145
- DARLING, J. N.  
A Statement from the Biological Survey, v. 89
- DAVIS, EDWARD M.  
Notes on Barn Swallows, iv. 116  
Banding Barn Swallows, v. 92
- DAVIS, RUSSELL S.  
Some Shrike Notes, iii. 117
- Delichon urbica. *See* Martin, House
- Dendroica aestiva aestiva. *See* Warbler, Eastern Yellow
- Dendroica caerulescens caerulescens. *See* Warbler, Black-throated Blue
- Dendroica castanea. *See* Warbler, Bay-breasted
- Dendroica coronata. *See* Warbler, Myrtle
- Dendroica discolor discolor. *See* Warbler, Northern Prairie
- Dendroica magnolia. *See* Warbler, Magnolia
- Dendroica palmarum hypochrysea. *See* Warbler, Yellow Palm
- Dendroica palmarum palmarum. *See* Warbler, Western Palm
- Dendroica pensylvanica. *See* Warbler, Chestnut-sided
- Dendroica pinus pinus. *See* Warbler, Northern Pine
- Dendroica striata. *See* Warbler, Black-poll
- Dendroica tigrina. *See* Warbler, Cape May
- Dendroica vigorsi vigorsi. *See* Warbler, Northern Pine
- Dendroica virens virens. *See* Warbler, Black-throated Green
- Denmark, bird-banding in, iii. 36, v. 50-51
- "Der Vogelzug," a New Ornithological Journal (rev.), i. 83
- Dipper, European, nesting habits of, vi. 143
- Disease, foot, on birds at Summerville, S. C., ii. 35
- Dolichonyx oryzivorus. *See* Bobolink
- DOMITZ, GUSTAVE, JR.  
Banding Tree Sparrows, v. 136
- DOPPELMAIR, G.  
Banding of Mallards and Black-headed Gulls near Leningrad (rev.), v. 96
- Dove, Eastern Mourning  
Age record, vi. 67  
External parasites collected from, iv. 71  
Measurements of, v. 58-59  
Migration and distribution of, i. 196, iii. 90, vi. 61-65  
Migration speed of, vi. 64-65  
Recoveries of, i. 142, iii. 90, vi. 61-64  
Reproductive cycle, migration, and distribution of, as affected by light periodicity, v. 142  
Returns, iii. 35, vi. 61  
Weight of, v. 59
- Dove, Inca, biology of, v. 201
- Dove, Mourning. *See above*
- Dove, Turtle, age records, v. 49
- Dovekie, measurements and weights of, v. 58-59
- Dowitcher, Eastern, bandings of, on Cape Cod, v. 37, vi. 22
- Dowitcher, Long-billed, banding of, on Cape Cod, vi. 22
- DROST, RUDOLF, i. 83, 86-90, 147, 148, 154, 168, 194, ii. 42, 86, 132, 190  
Research on Bird Migration at Helgoland (rev.), v. 196  
On the Causes of the Fall Migration Direction (rev.), v. 198  
Migration Speed of a Turnstone (rev.), vi. 141  
Bird Migration and Moonlight (rev.), vi. 71
- Dryobates major major. *See* Woodpecker, Great Spotted
- Dryobates pubescens medianus. *See* Woodpecker, Northern Downy
- Dryobates villosus villosus. *See* Woodpecker, Eastern Hairy
- Duck, Common Black  
Age records of, i. 91  
Attempted introduction of, into California, v. 150

- Duck, Common Black (*con.*)  
 Recoveries of, i. 91, ii. 192, iv. 26, 29,  
 90, 91, 94, 95, 99, 137, 140, 144, 181  
 Sex-ratio of, vi. 138
- Duck, Greater Scaup, recoveries of, iv.  
 140
- Duck, Lesser Scaup  
 Age record, v. 195  
 Recoveries of, iii. 142, iv. 29, 90, 91,  
 97, 146, 181, 183  
 Sex ratio in, v. 195
- Duck, Red-legged Black, sex-ratios of,  
 vi. 138
- Duck, Ring-necked  
 Age record, v. 195  
 Recoveries of, iv. 26, 90, 91, 181  
 Sex ratio in, v. 195
- Duck, Ruddy, recoveries of, iv. 189
- Duck, Tufted  
 Age record, ii. 43  
 Migration habits of the sexes of, v.  
 195
- Duck, Wood, recoveries of, iv. 24, 25,  
 90, 91
- Ducks  
 Distribution of returns from North  
 American banded, iii. 140-142, iv.  
 19-32, 88-99, 132-146, 177-189  
 Table showing bandings and returns  
 of, in Japan, iii. 2
- Dumetella carolinensis*. See Catbird
- DUPOND, CH.  
 Reports of Bird-banding in Belgium  
 (rev.), v. 96-97, vi. 37
- Dyes and paints, use of, on feathers of  
 living birds in making special  
 studies, i. 152, vi. 1
- Eagle, American Golden, growth, i. 48
- Eagle, European Golden  
 Age record, ii. 43  
 Studies of, in Scotland, vi. 74
- Eagle, Sea, incubation of, vi. 74
- EATON, RICHARD JEFFERSON  
 The Migratory Movements of Cer-  
 tain Colonies of Herring Gulls in  
 Eastern North America, iv. 165-  
 176, v. 1-19, 70-84
- EATON, WARREN F.  
 Mortality of Banded Hawks and  
 Owls, iv. 49  
 Eighteen Years of Wyankie (rev.),  
 vi. 76
- Ecological papers (reviewed by Mrs.  
 Nice), v. 99, 198-199, vi. 39, 145-  
 146
- Ecotoparasites  
 And Bird-Banding, i. 51-60, iv. 68-75  
 Correspondence concerning, v. 148  
 On birds at Summerville, S. C., ii. 34
- EDWARDS, HELEN M.  
 Some White-throated Sparrow and  
 Field Sparrow Returns, iii. 178  
 An American Woodcock Recovery of  
 Interest, v. 91  
 A Return-2 Myrtle Warbler, v. 92
- EICHLER, W.  
 Migration of the Song Thrush (rev.),  
 v. 196
- Eider, American  
 Bandings of, on the North Shore of  
 the Gulf of St. Lawrence, vi. 32  
 Recovery, ii. 184
- EISENTRAUT, M.  
 Banding Bats (rev.), vi. 72
- ELIOT, SAMUEL A., JR.  
 Banding Wilson's Petrels, iv. 45-49  
 Banding Some Birds of Prey, iv. 202-  
 204
- Emberiza calandra calandra*. See  
 Bunting, Corn
- Emberiza citrinella*. See Bunting,  
 Yellow
- Emberiziidae* (*Emberizinae*?), bandings  
 and returns of, in Japan, iii. 2
- Empidonax flaviventris*. See Fly-  
 catcher, Yellow-bellied
- Empidonax minimus*. See Flycatcher,  
 Least
- Empidonax virescens*. See Flycatcher,  
 Acadian
- Ereunetes mauri*. See Sandpiper,  
 Western
- Ereunetes pusillus*. See Sandpiper,  
 Semipalmated
- ERRINGTON, PAUL L.  
 Mobility of the Northern Bob-white  
 Indicated by Banding Returns, iv.  
 1-7  
 Management of Bob-whites in Iowa  
 (rev.), v. 101  
 Population Studies on the Bob-white  
 (rev.), vi. 76
- Erismatura jamaicensis rubida*. See  
 Duck, Ruddy
- Euphagus carolinus*. See Blackbird,  
 Rusty
- Euphagus cyanocephalus*. See Black-  
 bird, Brewer's
- European banding operations, reviewed  
 from "Der Vogelzug," i. 83, 86-90
- European birds  
 Age records, i. 87-90  
 Migration and recoveries of, i. 87-90,  
 194-195
- European ornithological journals, brief  
 comments on, iv. 154
- EUSTIS, GEORGE D., i. 128  
 Some Song Sparrow Returns, ii. 184

- Evolution, The Rôle of Anger in (rev.), vi. 40
- Falco aesalon. *See* Merlin
- Falco peregrinus anatum. *See* Hawk, Duck
- Falco peregrinus peregrinus. *See* Falcon, Peregrine
- Falco sparverius sparverius. *See* Hawk, Eastern Sparrow
- Falco tinnunculus. *See* Kestrel
- Falcon, Peregrine  
Age record, vi. 73, 108  
Range of vision of, vi. 74  
Recoveries of, ii. 88, vi. 108
- FELTES, CHARLES H.  
Notes on Banding Cedar Waxwings in California, vi. 104
- Finch, Eastern Purple  
Age records, i. 190, ii. 186, iii. 113, v. 52, 142, vi. 105, 109  
Banding of ten thousand at one station, i. 145  
External parasites collected from, iv. 73  
Measurements of, v. 60-62  
Migration and distribution, ii. 130  
Moult, i. 136-139, ii. 83  
Plumage, iv. 161, v. 194  
Recoveries, i. 15, 145, ii. 83, 130, 186, iv. 100, 158, vi. 102-103  
Returns, i. 18, 136, 190-191, ii. 80, iv. 107, 161, v. 194, vi. 105-106  
Sex analysis of, vi. 106  
Weights of, v. 61
- Finch, House, age records and weights of, v. 52
- Finland, bird-banding in, vi. 108
- Fleas, i. 57-59, 146
- FLETCHER, LAURENCE B., i. 78, 128, ii. 77  
A Common Tern Recovery, i. 145  
Known History of Four Chipping Sparrow Nestlings, i. 145
- Flicker, Northern, measurements and weights of, v. 58-59
- Florida caerulea caerulea. *See* Heron, Little Blue
- FLOYD, CHARLES B., i. 20, 22, 45, 128, ii. 77  
A List of the Active Banding Stations in the Territory of the Northeastern Bird-Banding Association, i. 127-136  
Further Banding Notes from Tern Island, Massachusetts, i. 181-184  
Report of Tern Banding on Cape Cod during 1931, iii. 63-65  
Unusual Nesting Sites of Barn Swallows, iii. 74
- FLOYD, CHARLES B. (con.)  
Strange Disappearance of Nesting Penikese Island Terns, iii. 173  
Common Tern Recovery in Ontario, iv. 160  
Further Notes from Penikese Island Terns, iv. 200-202  
A Female House Wren Recovery, v. 47  
An Age Record of the Common Tern, vi. 35
- Flycatcher, Acadian  
Banding of, on Cape Cod, iii. 176, iv. 52  
Measurements and weights of, iv. 52
- Flycatcher, Least  
Measurements and weights of, v. 58-59  
Return of, v. 191
- Flycatcher, Northern Crested  
Age record, vi. 67  
External parasites collected from, iv. 71  
Protocalliphora in nest of, i. 171
- Flycatcher, Pied, recovery of, vi. 146
- Flycatcher, Spotted, recovery of, v. 50
- Flycatcher, Yellow-bellied, banding of, on Cape Cod, iii. 176
- FOGG, WENDELL F.  
An Early Successful Bird-Banding Venture in England, iii. 66
- FORBUSH, EDWARD HOWE, i. 81, 125  
Birds of Massachusetts and Other New England States, Vol. III (rev.), i. 86
- France, bird-banding in, v. 140-141, vi. 72
- FRANKE, HANS  
Bird Calls and Songs (rev.), v. 99
- FRANKS, R. W. *See* Baldwin, S. Prentiss
- Fratereula arctica arctica. *See* Puffin
- FRIEDMANN, HERBERT  
Cowbirds: A Study in the Biology of Social Parasitism (rev.), i. 48  
The New Study of Bird Behavior, i. 61-66  
Bird Distribution and Bird-Banding, ii. 45-51  
The Size and Measurement of Territory in Birds, iv. 41-45  
Advances in Life History Work (rev.), v. 99  
Mrs. Nice on the Song Sparrow (rev.), v. 101  
The Instinctive Emotional Life of Birds (rev.), vi. 43  
Bird Societies (rev.), vi. 147  
Reviews by, i. 147-148, 194-195, ii. 41-43, 86-87, 132-133, 189-191, iii. 36-37, 78-79, 120, 180, iv. 58, 163-164, 211-212

- FRIELING, H.  
 Sex-Ratio of Ducks (rev.), v. 195  
 Remarks on the Genetics of Bird Migration (rev.), v. 197  
*Fringilla cœlebs*. See Chaffinch  
 Fuertes, Louis Agassiz, i. 86  
*Fulica atra atra*. See Coot, European
- Gadwall, recoveries of, iv. 90, 146
- GAIN, L.  
 Banding of Penguins with Celluloid Rings, i. 158, 168  
 Gallinule, Florida, dummy nests of, vi. 70  
 Gannet, recovery of, ii. 192  
*Garrulus glandarius*. See Jay, European  
*Gavia stellata*. See Loon, Red-throated
- GEIST, R. M.  
 Notes on the Infestation of Wild Birds by Mallophaga (rev.), vi. 145  
*Gelochelidon nilotica aranea*. See Tern, Gull-billed  
*Geothlypis trichas brachidactyla*. See Yellow-throat, Northern  
*Geothlypis trichas trichas*. See Yellow-throat, Maryland
- Germany, bird-banding in, v. 140
- GILBERT, H. A.  
 The Golden Eagle in Scotland (rev.), vi. 74
- GILL, GEOFFREY  
 A Problem in Catbird Distribution, i. 185-187  
 Wood Thrush Returns, i. 191  
 Some Notes on Starlings, ii. 186  
 A Wood Thrush Recovery, iii. 177  
 A Migration Study of Catbirds from 1929 to 1934, v. 182-187
- GILLESPIE, JOHN A., i. 92, ii. 59  
 Homing Instinct in Cowbirds, i. 42  
*Rynchops nigra*, the Black Skimmer: Some Returns and Recoveries, ii. 52-58  
 Notes on Osprey Migration and Mortality, iii. 67  
 Juvenile Towhees Return to Birth-place, iv. 51  
 The Homing Instinct in the Rough-winged Swallow, v. 43  
 Value of Colored Bands (correspondence), v. 48
- GILLESPIE, MABEL, i. 92, 93, 131, 148, ii. 171  
 Suggestions for a Revised Bird-Banding Terminology, i. 14-19  
 Grackle Recoveries, i. 45  
 Methods of Capturing Wrens, i. 81-82  
 Behavior and Local Distribution of Tufted Titmice in Winter and Spring, i. 113-127
- GILLESPIE, MABEL (con.)  
 Some Details of the Migration Habits of White-throated Sparrows, ii. 137-165  
 A Towhee Recovery, v. 48
- GILLET, L. B.  
 Thrushes of Our Woods (rev.), vi. 144  
 Gnatcatcher, Blue-gray, mating, i. 72  
 Goatsucker, time of singing of, vi. 77  
 Godwit, Black-tailed, recoveries of, iii. 36, iv. 117  
 Golden-eye, American, recovery of, iii. 142
- Goldfinch, Eastern  
 External parasites collected from, iv. 73  
 Measurements and weights of, v. 60-62
- Goldfinch, European, interesting record of, ii. 85
- Goose, Bean  
 Age record, vi. 73  
 Migration of, iii. 120
- Goose, Canada  
 Banding at Kingsville, Ontario, ii. 135-136  
 Capture and banding of, in California, iii. 37  
 Migration routes of, ii. 135  
 Recoveries of, ii. 135, iii. 118, vi. 67-68
- Goose, Hutchins's, age record, iii. 114  
 Goose, Pink-footed, weights of 337 individuals of, vi. 143
- GORSUCH, D. M.  
 Life History of the Gambel Quail in Arizona (rev.), vi. 74
- GOULD, V. E., photograph by, v. 45
- Grackle, Bronzed  
 Age records, iii. 88, v. 142  
 Banded with celluloid bands, i. 158  
 External parasites collected from, iv. 73  
 Measurements of, v. 60-61  
 Migration of, in Indiana, iii. 85-94  
 Recoveries, i. 45, 91, ii. 192, iii. 86, 92, iv. 158  
 Weight of, v. 61
- Grackle, Florida, external parasites collected from, iv. 73
- Grackle, Purple  
 Age record, vi. 69  
 Albinism in, ii. 130, iii. 179  
 External parasites collected from, iv. 73  
 Recoveries of, ii. 174-178  
 Returns of, ii. 129  
 Trapping, ii. 178
- Great Britain, bird-banding in, i. 195, ii. 88, vi. 37, 142

- Grebe, Great Crested  
 Albinism in, ii. 87  
 Late nesting of, due to drought,  
 vi. 145  
 Migration of, ii. 132  
 Territory in, vi. 73
- GREEN, WYMAN R.  
 The Banding of Chimney Swifts at  
 Chattanooga, Tenn., i. 104-112  
 Chimney Swift Banding Operations  
 at Chattanooga (rev.), i. 196
- Greenfinch  
 Age records, ii. 191  
 Recoveries of, ii. 191, v. 139
- GRIFFIN, D. R.  
 Marking Bats (rev.), vi. 72
- Grosbeak, Eastern Evening  
 Age records, ii. 131, iii. 113, vi. 38,  
 109  
 Migration, i. 40-41, v. 175-181,  
 vi. 71  
 Molt, i. 43  
 Recoveries, i. 40-41, 145, ii. 78, 131,  
 iv. 206, v. 175, vi. 107  
 Returns, ii. 131
- Grosbeak, Rose-breasted  
 Age record, ii. 185  
 Measurements, v. 60-61  
 Returns of, ii. 185, 187, v. 193  
 Weights, i. 193, v. 61
- GROSS, ALFRED O.  
 Banding the Last Heath Hen, ii.  
 99-105  
 Photographs by, i. 3-11, 74, 75, ii.  
 99, 101, 103  
 Two Labrador Banding-Records, vi.  
 23-25
- Groton, Mass., i. 130, iii. 26, 32, iv. 70,  
 100-109, v. 184, 186
- Grouse, Eastern Ruffed, sex rhythm in,  
 v. 144-145
- Grouse, Willow, nesting studies of, v.  
 201-202
- Guillemot, Black  
 Banding of, in Gulf of St. Lawrence,  
 i. 96, 97, 103  
 Recoveries of, ii. 88
- Gull, Black-headed  
 Age records, ii. 43, v. 50, 51  
 Geographical shifting of breeding-  
 spots of, iv. 164  
 Migration of, v. 50, vi. 25  
 Photograph of breeding colony of,  
 vi. 23  
 Recoveries, i. 88, 89, ii. 190, 191, iii.  
 122, iv. 117, v. 51, 96, 196, vi. 24  
 Return of, to natal colony, iv. 117  
 Transference of eggs of Common Gull  
 at nesting, vi. 108
- Gull, California  
 Recoveries of, ii. 192  
 Staining, an experiment in, ii. 135
- Gull, Common  
 Age records, v. 50, 51  
 Recoveries of, ii. 191  
 Transference of eggs of, to nesting  
 Black-headed Gulls, vi. 108
- Gull, Glaucous, recoveries, i. 90
- Gull, Great Black-backed  
 Age record, v. 49  
 Banding of, in the Gulf of St. Law-  
 rence; i. 96, 103  
 Mortality, i. 91  
 Recoveries of, v. 50
- Gull, Herring  
 Age records, iii. 37, v. 1, 50, 99, vi.  
 73, 142  
 Banding of, in the Gulf of St. Law-  
 rence, i. 96-97, 103  
 Botulism in a, iii. 178  
 External parasites collected from,  
 iv. 71  
 Food of, iv. 201  
 Migration and distribution in eastern  
 North America, iv. 165-176, v.  
 1-19, 70-84  
 Recoveries, i. 91, ii. 77, 192, iv. 168,  
 v. 1, 70, 189-190
- Gull, Laughing  
 Breeding of, on Cobb Island, iii.  
 17-22  
 External parasites collected from,  
 iv. 71
- Gull, Lesser Black-backed, migration  
 of, v. 196
- Gull, Ring-billed, banding of, in Gulf of  
 St. Lawrence, i. 95, 103
- Hæmatopus ostralegus. *See* Oyster-  
 catcher, European
- Hæmatopus palliatus. *See*  
 Oyster-catcher, American
- HAMER, A. H.  
 Sexual Selection and Territorialism  
 (rev.), vi. 144
- HARDING, KATHERINE C., i. 129, 135,  
 171, 172, 173  
 A Change in Nesting Habits of the  
 Wood Pewee, i. 144  
 Age Record of Black-capped Chick-  
 adee 93789, iii. 118
- HARKIN, J. B.  
 Banding Crows, ii. 131
- Harrier, Hen  
 Age record, v. 140  
 Migration impulse in, ii. 133
- Harrier, Montagu's, age record. v, 140

- HARRINGTON, ALICE B., i. 21, 132  
 Report of the Recording Secretary of the Northeastern Bird-Banding Association for 1930, ii. 76-78  
 Report of the Recording Secretary of the Northeastern Bird-Banding Association for the Year 1931, iii. 108-109
- HARRISON, T. H., and BUCHAN, J. N. S.  
 Territory in the St. Kilda Wren (rev.), vi. 73
- HAYERSCHMIDT, FR.  
 Bird-banding in the Antarctic, v. 187
- Hawk, Cooper's, growth, i. 48  
 Hawk, Desert Sparrow, growth, i. 48  
 Hawk, Duck, recoveries, i. 131, 144  
 Hawk, Eastern Red-tailed, recoveries, i. 50, 131, iii. 72  
 Hawk, Eastern Sparrow  
 Measurements and weights, v. 58-59  
 Migration of, vi. 71  
 Recoveries, i. 131, 141, vi. 70  
 Return of, iii. 119
- Hawk, Marsh  
 Growth, behavior, and taming of (rev.), vi. 144  
 Mortality of, iv. 50  
 Recoveries of, iv. 50, 202
- Hawk, Northern Red-shouldered, measurements of, v. 58
- Hawk, Red-shouldered, measurements of, v. 58
- Hawk, Red-tailed  
 Growth, i. 48  
 Recoveries, i. 50, 131, iii. 72
- Hawk, Sparrow (American)  
 Growth, i. 48  
 Measurements and weights, v. 58-59  
 Migration, vi. 71  
 Recoveries, i. 131, 141, vi. 70  
 Return, iii. 119
- Hawk, Sparrow (European)  
 Age record, v. 139  
 Recoveries of, vi. 108
- Hawk, Western Red-tailed  
 Growth, i. 48  
 Recoveries, i. 50
- Hawks, status of, in Switzerland, iv. 153; strict protection of, in Germany, iv. 150
- Hawks and Owls in Ohio, the protection of (rev.), v. 100
- Hawks of North America (rev.), vi. 115
- Heath Hen, banding and photographing of the last, ii. 99-105
- Hedymeles ludoviciana. *See* Grosbeak, Rose-breasted
- HEIDEMANN, J.  
 Results on Ringing Falcons (rev.), vi. 72
- HEILFURTH, F.  
 The Biology of the Inca Dove (rev.), v. 201
- Heleodytes zonatus zonatus. *See* Wren, Banded Cactus
- Helgoland Biological station, i. 83, 86, 147, 194, ii. 86, 190, iv. 212, v. 140, 196, vi. 72, 108
- Hen, Heath, banding and photographing of the last, ii. 99-105
- Hen, Water, table showing bandings and returns of, in Japan, iii. 2
- HERMAN, CARLTON M.  
 Bluebirds and English Sparrows in a Cliff Swallow Colony, vi. 137
- Heron, Black-crowned Night  
 Age record, vi. 142  
 Explanation of cover design, ii. 39  
 Recoveries, i. 91, vi. 106
- Heron, Eastern Green, measurements and weight of, v. 58-59
- Heron, European, or Gray  
 Age record, iii. 175, v. 50, 140  
 An early banding of, in England, iii. 66-67, 174-175  
 Banding methods in France, v. 140-141  
 Distribution of, v. 141  
 Recoveries of, vi. 72
- Heron, Great Blue, recoveries of, v. 48-49
- Heron, Green, measurements and weight of, v. 58-59
- Heron, Little Blue  
 Banding of, in New Jersey, ii. 35  
 Banding of, on Cape Cod, v. 36  
 First banding of, in New England, ii. 34  
 Parasites collected from, iv. 70
- Heron, Louisiana, age record, v. 195, vi. 38
- Heron, Night (Eurasian)  
 Nesting of, in Hungary, v. 201  
 Table showing bandings and returns of, in Japan, iii. 2
- Heron, Purple, age record, v. 197
- Heron, Yellow-crowned Night, mating, i. 72
- HERRICK, FRANCIS H.  
 Wild Birds at Home (rev.), vi. 148
- Hesperiphona vespertina vespertina.  
*See* Grosbeak, Eastern Evening
- HEYDER, RICHARD  
 Roosting Habits of the European Blackbird (rev.), vi. 77
- HEYDWEILLER, A. MARGUERITE  
 Tail Plumes as a Means of Marking Individual Birds, v. 45-47

- HEYDWEILLER, A. MARGUERITE (*con.*)  
 A Comparison of Winter and Summer Territories and Seasonal Variations of the Tree Sparrow (*Spizella a. arborea*), vi. 1-11
- HICKS, LAWRENCE E.  
 Ohio Game and Song Birds in Winter (*rev.*), iii. 121  
 Starling-Banding in Central Ohio during 1932, iv. 112  
 Returns of Banded Purple Martins, iv. 113-114  
 Starling-Banding in Central Ohio during Winter of 1932-1933, v. 42-43  
 Starling-Banding in Central Ohio during Winter of 1933-1934, v. 93-94  
 Individual and Sexual Variations in the European Starling, v. 103-118  
 How Many Broods Does the Starling Raise?, vi. 58-61  
 A Ten Year Study of a Bird Population in Central Ohio (*rev.*), vi. 76  
 A Preliminary List of the Breeding Birds of Ohio (*rev.*), vi. 141
- HICKS, LAWRENCE E., and DAMRACH, CHARLES A.  
 Sex Ratios and Weights in Wintering Crows, vi. 65  
 A Study of the European Starling (*rev.*), vi. 141
- HINCHMAN, RICHARD M.  
 East-West and West-East Purple Finch Recoveries, ii. 186  
 A Few Herring Gull Recoveries, v. 189
- HINGSTON, R. W.  
 The Meaning of Animal Colour and Adornment (*rev.*), vi. 40
- Hirundo daurica nipalensis*. *See* Swallow, Mosque
- Hirundo erythrogaster*. *See* Swallow, Barn
- Hirundo javanica*. *See* Swallow, Liu-Kiu
- Hirundo rustica gutturalis*. *See* Swallow, Chimney
- Hirundo rustica rustica*. *See* Swallow, European
- Hirundo tahitica frontalis*. *See* Swallow, Welcome
- HOESCH, W.  
 Effects of Drought Upon Breeding (*rev.*), v. 199
- HOFFMAN, E. C.  
 Weighings of the Northern Form of the Eastern Song Sparrow, i. 80  
 Banding Starlings, ii. 36  
 Plumage Pattern of the Screech Owl, ii. 38
- HOFFMAN, E. C. (*con.*)  
 A Blue Jay Sight Return-7, ii. 129  
 A Seven-and-a-Half-Year-Old Blue Jay, iii. 70
- HOFFMAN, PAUL WILLIAM  
 Dummy Nests of the Florida Gallinule, vi. 70
- Holland, bird-banding in, iii. 37, v. 139-140
- HOLZFUSS, E.  
 The Stork Nest Census in Pomerania in 1934 (*rev.*), vi. 112
- Homing experiments with ducks trapped in Louisiana, v. 195
- Homing Experiments with Starlings, 1934 (*rev.*), vi. 141
- Homing Experiments with Swallows (*rev.*), vi. 37
- Homing instinct, the operation of, v. 149-155
- Homing Pigeons (*rev.*), vi. 38
- HORNBERGER, F.  
 Finnish Migrants from English Eggs (*rev.*), v. 95
- HOWARD, H. ELIOT, i. 61-66  
 The Nature of a Bird's World (*rev.*), vi. 79-80
- Hungary, bird-banding in, iv. 117, v. 196
- HUXLEY, JULIAN  
 A Natural Experiment on the Territorial Instinct (*rev.*), v. 143
- Hydranassa tricolor ruficollis*. *See* Heron, Louisiana
- Hydroprogne caspia imperator*. *See* Tern, American Caspian
- Hylocichla fuscescens fuscescens*. *See* Veery
- Hylocichla guttata faxoni*. *See* Thrush, Eastern Hermit
- Hylocichla minima alicia*. *See* Thrush, Gray-cheeked
- Hylocichla mustelina*. *See* Thrush, Wood
- Hylocichla ustulata swainsoni*. *See* Thrush, Olive-backed
- HYTÖNEN, O. *See* VÄLIKANGAS, I.
- Icteria virens virens*. *See* Chat, Yellow-breasted
- Icterus bullocki*. *See* Oriole, Bullock's
- Icterus galbula*. *See* Oriole, Baltimore
- Incubation, as recorded with the terragraph, iv. 38
- Incubation rhythm in the Lesser White-throat (*rev.*), v. 201
- Iridoprocne bicolor*. *See* Swallow, Tree Italy, bird-banding in, vi. 72
- Jaeger, Parasitic, age record, v. 52

- JÄGERSKIÖLD, L. A.  
Swedish Banding Papers (rev.), v. 49-50
- Jay, Blue. *See* Jay, Northern Blue
- Jay, Canada, migration, i. 43
- Jay, Central American Brown, nesting habits of, vi. 143
- Jay, European  
Invasion of, in central Europe, iii. 120  
Migration of, in the Danzig area, ii. 87
- Jay, Northern Blue  
Age record, ii. 129, iii. 70, v. 142, vi. 35, 73, 142  
External parasites collected from, iv. 71  
Measurements of, v. 58-59  
Recoveries, i. 91  
Return of, ii. 129  
Weights, i. 192, v. 59
- JOHNSON, CHARLES W.  
Notes on Protocalliphora during the Summer of 1930, i. 169-173  
Notes on Protocalliphora during the Summer of 1931, iii. 26-29
- JOHNSON, R. A.  
A New Method of Banding Sea Ducks, vi. 32
- JOHNSON, R. A., and H. S.  
A Study of the Nesting and Family Life of the Red-throated Loon (rev.), vi. 143
- JONES, FRANK M.  
Insect Coloration and the Relative Acceptability of Insects to Birds (rev.), vi. 78
- Junco, Slate-colored  
Age records, vi. 68, 142  
Albinism in, ii. 169, iii. 73  
Disease in, ii. 35  
External parasites collected from, iv. 74  
Food of, i. 36  
Group habit in, i. 78  
Incubation period of, i. 39  
Mating of, i. 70  
Measurements of, iii. 31, v. 60-61  
Migration of, i. 68, 69  
Nesting habits of, i. 36-40  
Plumage of, i. 39, ii. 173  
Recoveries of, i. 144, ii. 82, 83, 186, iv. 158  
Return of, i. 36  
Trapping, ii. 128  
Voice of, ii. 173  
Weights of, v. 61
- Junco, White-winged  
Distribution of, ii. 172  
Plumage of, ii. 170
- Junco aikeni. *See* Junco, White-winged
- Junco hyemalis hyemalis. *See* Junco, Slate-colored
- JUNG, C. S.  
Early Bird-Banding in Europe, iii. 174
- KECK, W. N.  
The Control of the Secondary Sex Characters in the English Sparrow (rev.), vi. 112  
*See also* Witschi, E.
- KENDEIGH, S. C.  
The Rôle of Environment in the Life of Birds (rev.), vi. 39  
*See also* Baldwin, S. Prentiss
- Kestrel  
Age records, v. 140, vi. 38, 72  
Distribution and migration of, vi. 72
- Killdeer, banding of, on Cape Cod, vi. 20
- Kinaesthetic memory and distant orientation of birds, discussion of, iv. 211
- Kingbird, Arkansas, trapping of, by use of nesting materials, ii. 188
- Kingbird, Eastern, measurements and weights of, v. 58-59
- Kingfisher, Eastern Belted, measurements of, v. 58-59
- Kingfisher, European, nesting habits of, vi. 143
- Kinglet, Eastern Golden-crowned, weight of, iv. 53
- Kinglet, Eastern Ruby-crowned  
External parasites collected from, iv. 72  
Weight of, iv. 53
- Kittiwake, recoveries of, ii. 88, 192, iii. 121-122
- KLUIJVER, H. N.  
The Biology of the Starling (rev.), iv. 209-210  
The Starling in Relation to the Fruit Industry in Holland (rev.), v. 140
- KOCH, J. C.  
Migration and the Wind (rev.), v. 138
- KOCHS, W.  
Bigamy in the European Blackbird (rev.), vi. 74
- KRISZAT, G. *See* Uexküll, J. V.
- KÜCHLER, W.  
Seasonal Changes in the Histological Structure of the Thyroid Gland (rev.), vi. 145
- LACK, DAVID and LAMBERT  
Territory Reviewed (rev.), v. 97-98
- Lagopus lagopus. *See* Grouse, Willow
- Lanius borealis borealis. *See* Shrike, Northern
- Lanius collurio. *See* Shrike, Red-backed

- Lanius ludovicianus ludovicianus*. See Shrike, Loggerhead
- Lapwing  
Age record, ii. 43, iii. 191, iv. 117, v. 49, 51, 140, vi. 38  
Early-summer wandering of, iii. 120  
Migration and distribution of, v. 51  
Recoveries of, ii. 190, 191  
Trapping of, v. 197
- Lark, Northern Horned  
Measurements of, v. 58-59  
Midwinter banding of, in North Dakota, v. 129-131  
Trapping, v. 129
- Lark, Prairie Horned  
External parasites collected from, iv. 71  
Food of, ii. 131  
Returns of, ii. 130
- Lark, Sky. See Sky-Lark
- Larus argentatus*. See Gull, Herring
- Larus argentatus smithsonianus*. See Gull, Herring
- Larus atricilla*. See Gull, Laughing
- Larus canus*. See Gull, Common
- Larus delawarensis*. See Gull, Ring-billed
- Larus fuscus fuscus*. See Gull, Lesser Black-backed
- Larus marinus*. See Gull, Great Black-backed
- Larus ridibundus ridibundus*. See Gull, Black-headed
- LASKEY, AMELIA R. (Mrs. Frederick C.)  
Mating and Territory Study of Mockingbirds (rev.), v. 53  
Two Pairs of Mockingbirds Remate for the Second Year, v. 132  
Brown Thrasher Banding Records from Nashville, Tennessee, v. 133  
White-crowned and Gambel's Sparrow Returns, v. 135  
Eastern Field Sparrow Migration in Tennessee, v. 172  
Two Maryland Yellow-throat Returns, vi. 69  
Mates for Three Years in Succession (rev.), vi. 112
- LAW, J. EUGENE  
The Spring Molt in *Zonotrichia* (rev.), i. 49
- LEBEURIER, E., and RAPINE, J.  
The Biology of the Sky-lark (rev.), vi. 144
- LEOPOLD, ALDO  
Game Management (rev.), iv. 207-208  
The Conservation Ethic (rev.), v. 100
- LEWIS, HARRISON F., i. 94, 135, 148, ii. 77  
The Natural History of the Double-crested Cormorant (rev.), i. 85
- LEWIS, HARRISON F. (con.)  
Correspondence Concerning Bird-Banding Terminology, i. 93-94  
Notes on Banding Operations on the North Shore of the Gulf of St. Lawrence in 1929, i. 95-103  
Correspondence Concerning a Proposed Addition to Banding Terminology, i. 148  
A Banded Adult Common Cormorant, ii. 33  
Common Cormorant Return to a Natal Colony, ii. 128  
Banding Provides the First Certain Record of the Eurasian Pintail (*Dafila a. acuta* L.) in North America, iv. 112-113  
Return of Banded Adult European Cormorant to Its Native Colony, v. 132-133
- Limnodromus griseus griseus*. See Dowitcher, Eastern
- Limnodromus griseus scolopaceus*. See Dowitcher, Long-billed
- Limosa limosa limosa*. See Godwit, Black-tailed
- LINCOLN, FREDERICK C.  
Bird-Banding: Its Second Decade Under the Biological Survey, ii. 27-32  
Protocalliphora Infestation of Barn and Bank Swallows, ii. 33  
Common Tern Recovered in Guadeloupe, ii. 81  
Another Banded European Widgeon, ii. 126  
More about Mallard No. 555414, iii. 32  
The Fifth Return of Mallard No. 555414, iii. 110  
A Longevity Record for the Hutchins' Goose, iii. 114  
State Distribution of Returns from Banded Ducks, iii. 140-142, iv. 19-32, 88-99, 132-146, 177-189  
Mallard No. 555414 Returns Again, iv. 156  
The Operation of Homing Instinct, v. 149-155  
Waterfowl Flyways of North America (rev.), vi. 72  
See also Phillips, John C.
- LINCOLN, FREDERICK C., and BALDWIN, S. PRENTISS  
Manual for Bird Banders (rev.), i. 50
- Linnet, flight of, in relation to the wind, ii. 190
- LINSDALE, J. M., and SUMNER, E. L., SR.  
Variability in Weight in the Golden-crowned Sparrow (rev.), v. 142

- LINSDALE, J. M., and SUMNER (*con.*)  
 Winter Weights of Golden-crowned  
 and Fox Sparrows (rev.), v. 200-  
 201
- LLOYD, HOYES, i. 159, 168  
 Progress of Conservation in Canada,  
 ii. 105-115
- Longevity. *See* Age records
- Longspur, Lapland  
 Midwinter banding of, in North  
 Dakota, v. 129-131  
 Trapping, v. 129
- Loon, Red-throated, a study of the  
 nesting and family life of (rev.),  
 vi. 143
- Lophortyx gambeli. *See* Quail, Gambel's
- LÖPMANN, A.  
 Incubation Rhythm in the Lesser  
 White-throat (rev.), v. 201
- LORENZ, KONRAD  
 The Kumpan in the Bird's World:  
 The Fellow-Member of the Species  
 as Releasing Factor of Social Be-  
 havior (rev.), vi. 113, 146-147
- LOW, SETH H.  
 A Junco Recovery, ii. 82  
 Further Notes on the Nesting of the  
 Tree Swallows, iv. 76-87  
 Notes on the Nesting of Bluebirds,  
 iv. 109-111  
 Nest Distribution and Survival Ratio  
 of Tree Swallows, v. 24-30  
 Bluebird Studies on Cape Cod, v.  
 39-41  
 Notes on Cape Cod Crow Move-  
 ments, v. 192  
 Methods of Trapping Shore Birds,  
 vi. 16-22  
 Notes on the Survival, Winter Dis-  
 tribution, and Migration Speed of  
 Eastern Mourning Doves, vi. 61-65  
 A Coastal Group of Canada Geese,  
 vi. 67  
*See also* Austin, Oliver L., Jr.
- Loxia curvirostra curvirostra. *See*  
 Crossbill
- LYON, W. C., i. 158  
 Brewer's Blackbirds: First Nesting  
 and Banding Record in Illinois, i. 188
- MCATEE, W. L.  
 Conservation of Game or of Wild  
 Life—Which? (rev.), v. 101  
 Effectiveness in Nature of the So-  
 called Protective Adaptations in  
 the Animal Kingdom, chiefly as  
 Illustrated by the Food Habits of  
 Nearctic Birds (rev.), vi. 78-79
- MCCABE, T. T.  
 Territory (rev.), iv. 56-57
- McCANN, HORACE D.  
 Purple Grackle Returns at Paoli,  
 Pennsylvania, ii. 129  
 Albinism in a Purple Grackle, ii. 130  
 Recoveries of Purple Grackles at  
 Paoli, Pennsylvania, ii. 174
- McILHENNY, E. A.  
 Returns of Banded Ducks Liberated  
 Outside their Migration Route,  
 i. 189  
 Twenty-two Years of Banding Migra-  
 tory Wild Fowl at Avery Island,  
 Louisiana (rev.), v. 195  
 Bird City (rev.), vi. 44
- McPHERTERS, BYRON W.  
 Nesting White-throated Sparrow  
 Returns, iv. 113
- MAGEE, M. J.  
 Evening Grosbeak Recoveries Indi-  
 cating an East and West Move-  
 ment, i. 40-41  
 More Notes on the Spring Moults of  
 the Evening Grosbeak, i. 43  
 Some Purple Finch Notes, Principally  
 on the Moults of the Primaries and  
 Secondaries, i. 136-139  
 Ten Thousand Purple Finches Banded  
 at One Station, i. 145  
 Evening Grosbeak, Robin, and Purple  
 Finch Recoveries, i. 145  
 More Data on "How Long do Purple  
 Finches Live?", i. 190-191  
 An Easterly-Wandering Purple Finch,  
 ii. 130  
 Interesting History of Evening Gros-  
 beak No. 462165, ii. 131  
 Some Banding Results after Eleven  
 Years of Banding at Sault Ste.  
 Marie, Michigan, 1921-1931, iii.  
 111-113  
 An Eastern Evening Grosbeak Re-  
 covery of Interest, iv. 206  
 The Distribution of Michigan Re-  
 covered Eastern Evening Gros-  
 beaks near the Atlantic Seaboard,  
 v. 175-181, vi. 71  
 Eastern Purple Finch Recoveries in  
 and away from the Eastern Part  
 of the Upper Peninsula of Mich-  
 igan, vi. 102-103  
 How Long Do Purple Finches Live?  
 vi. 104-105  
 Sex Analysis of One Hundred and  
 Thirty-seven Purple Finch Returns,  
 vi. 106  
 Notes from Sault Ste. Marie, Mich-  
 igan, vi. 107  
 Banding Notes from Sault Ste. Marie,  
 Michigan (rev.), vi. 109

- Magpie, European, age record, v. 140
- MAILLIARD, JOSEPH  
Gleanings from Recent Bird-Banding (rev.), i. 48  
Reaction toward Capture among Certain Sparrows (rev.), i. 48
- Mallard, Common  
Nesting habits of, iii. 32, 110, iv. 156  
Recoveries, i. 189, 190, iii. 142, iv. 21, 25, 29, 30, 31, 90, 94, 95, 97-99, 135, 144, 146, 179, 181, 183, 189, v. 95, 96, 139  
Returns, i. 50, 189, 190, iii. 32, 110, iv. 156, v. 95, 151, 153  
Sex-ratios of, vi. 138
- Mallophaga, i. 53-55, 146, iv. 68-75, vi. 145
- MANWELL, REGINALD D., and HERMAN, CARLTON M.  
Blood-Parasites of Birds and Their Relation to Migratory and Other Habits of the Host, vi. 130-132  
Notes on Eastern Song Sparrow Repeats, vi. 133
- Mareca americana. *See* Baldpate  
Mareca penelope. *See* Widgeon, European
- MARPLES, B. J.  
The Winter Starling Roosts of Great Britain, 1932-1933 (rev.), vi. 75
- MARPLES, GEORGE  
Observations on Times of Feeding (rev.), vi. 140  
Parasite on Robin and Great Tit (rev.), vi. 145
- Martin, House  
Homing experiment with, v. 94, vi. 37  
Migration of, iii. 79  
Returns of, v. 97
- Martin, Purple  
External parasites collected from, iv. 71  
Recovery of, iv. 113  
Returns, i. 191, ii. 86, iv. 112
- MASURE, R. H., and ALLEE, W. C.  
The Social Order in Flocks of the Common Chicken and the Pigeon (rev.), v. 203-204  
Flock Organization of the Shell Parrakeet (*Melospittacus undulatus*) (rev.), vi. 43
- MAY, JOHN B., i. 130, 144, ii. 77  
The Distribution of the Rough-winged Swallow in New England, i. 29-33  
Hawks of North America (rev.), vi. 115  
Reviews by, i. 48-50, 85-86, 91, 147, 195-196, ii. 40-41, 43-44, 87-88, 134-136, 191-192, iii. 35-36, 37,
- MAY, JOHN B., Reviews by (*con.*)  
75-78, 121-122, 180-181, iv. 56-58, 162-163, v. 146-147
- MAYR, ERNST  
Bernard Altum and the Territory Theory (rev.), vi. 109-110
- Meadowlark, Eastern  
Age record, vi. 142  
Disease in, ii. 35  
External parasites collected from, iv. 73  
Measurements of, v. 60-61
- Megaceryle alcyon alcyon. *See* Kingfisher, Eastern Belted
- MEINERTZHAGEN, R.  
The relation between plumage and environment, with especial reference to the Outer Hebrides (rev.), v. 143
- Melanerpes erythrocephalus. *See* Woodpecker, Red-headed
- MELENEY, GRACE COIT  
Bird-banding in a New York City High School, ii. 82
- Melospiza georgiana. *See* Sparrow, Swamp
- Melospiza lincolni lincolni. *See* Sparrow, Lincoln's
- Melospiza melodia beata. *See* Sparrow, Mississippi Song
- Melospiza melodia melodia. *See* Sparrow, Eastern Song
- MELZER, JAMES P.  
A Rose-breasted Grosbeak Returning Ratio, v. 193  
Another Common Tern Recovery in Puerto Rico, vi. 69
- Merlin, recoveries of, ii. 88
- MEYER, O.  
Mating of the Welcome Swallow (rev.), vi. 42
- MICHAEL, C. W.  
Feeding Habits of the Black-bellied Plover in Winter (rev.), vi. 144
- MICHENER, H. and J. R.  
Ages of House Finches Trapped during February, 1933, at Pasadena, California (rev.), v. 52  
Mockingbirds, their Territories and Individualities (rev.), vi. 110
- Micropalama himantopus. *See* Sandpiper, Stilt
- Micropus apus. *See* Swift, European  
Micropus melba melba. *See* Swift, Alpine
- MIDDLETON, A. D.  
Periodic Fluctuations in British Game Populations (rev.), vi. 75
- MIDDLETON, RAYMOND J.  
Complete Record of a Wintering Lincoln's Sparrow, i. 140

- MIDDLETON, RAYMOND J. (*con.*)  
 House Wren Returns, i. 141  
 A Mourning Dove Recovery, i. 142  
 A Migrating White-throated Sparrow Return, 143  
 Slate-colored Junco Recovery, i. 144  
 Song Sparrow Returns-3, iii. 34  
 Starling, Barn Swallow, and White-throated Sparrow Recoveries, iii. 34  
 Two House Wren Returns-25 and a Mourning Dove Return-15, iii. 35  
 Known History of Eastern Robin 626740, iv. 56  
 Brown Thrasher, Oven-bird, Mourning Dove, Crested Flycatcher, and Catbird Age-Records, vi. 67  
 Eastern Tree Sparrow and Slate-colored Junco Age-records, vi. 68  
 Purple Grackle Age-records, vi. 69  
 Eastern Sparrow Hawk Recoveries in North and South Carolina and Georgia, vi. 70  
 Migration, theoretical considerations of (rev.), ii. 41-42  
 Migration and electricity (rev.), vi. 71  
 Migration and moonlight (rev.), vi. 71  
 Migration and solar cycles (rev.), vi. 38  
 Migration and the wind (rev.), v. 138  
 Migration at Rossitten (rev.), v. 94  
 Migration on the Baltic coast, autumn of 1931 (rev.), iii. 120
- MILLIKEN, A.  
 A Return-2 Baltimore Oriole, iii. 32  
 Mimus polyglottos leucopterus. *See* Mockingbird, Western  
 Mimus polyglottos polyglottos. *See* Mockingbird, Eastern
- MINER, JACK  
 A Red-tailed Hawk Recovery, iii. 72  
 An Interesting Canada Goose Recovery, iii. 118
- MINER, MANLEY F.  
 Migration of Canada Geese from the Jack Miner Sanctuary and Banding Operations (rev.), ii. 135-136  
 Mites, i. 55-56, 146  
 Mniotilta varia. *See* Warbler, Black and White  
 Mockingbird, Eastern  
 Age records, vi. 111  
 External parasites collected from, iv. 72  
 Mating and territory study of (rev.), v. 53  
 Mating of, v. 132, vi. 112  
 Measurements of, iv. 52, v. 58-59  
 Recovery of, iii. 118  
 Territory of, v. 53  
 Weight of, iv. 52, v. 59
- Mockingbird, Western  
 Age record, v. 52  
 Territories and individualities in, vi. 110-111  
 Voice of, vi. 111
- MOFFITT, JAMES  
 Banding Canada Geese in California in 1931 (rev.), iii. 37
- Molothrus ater ater. *See* Cowbird, Eastern
- MOREAU, R. E.  
 A Contribution to Tropical African Bird-Ecology (rev.), v. 198
- Motacilla alba. *See* Wagtail, White  
 Motacilla cinerea. *See* Wagtail, Gray  
 Motacilla flava. *See* Wagtail, Blue-headed Yellow
- MOUNTFORT, G. R.  
 The Influence of Territory on the Life of Birds (rev.), vi. 39
- Murre, Brünnich's, banding of, at Wells River, Vt., iv. 115
- Murre, Common  
 Age records, i. 98  
 Banding of, in Gulf of St. Lawrence, i. 95, 96, 103  
 Mortality, i. 99  
 Recoveries, i. 98
- Muscicapa hypoleuca. *See* Flycatcher, Pied
- Muscicapa striata. *See* Flycatcher, Spotted
- MUSSELMAN, T. E.  
 Two Additional Foot Diseases on Birds, i. 33-34  
 Three Years of Eastern Bluebird Banding and Study, vi. 117-125
- Myiarchus crinitus boreus. *See* Flycatcher, Northern Crested
- Myiochanes virens. *See* Pewee, Eastern Wood
- Nannus hiemalis hiemalis. *See* Wren, Eastern Winter
- NELSON, THEODORA  
 Growth Rate of the Spotted Sandpiper Chick with Notes on Nesting Habits, i. 1-12
- NETHERSOLE-THOMPSON, D.  
 Some Aspects of the Territory Theory (rev.), vi. 40
- Netta rufina. *See* Pochard, Red-crested
- Nettion carolinense. *See* Teal, Green-winged
- Nettion crecca. *See* Teal, European
- NICE, L. B.  
 Review by, iv. 116-117  
*See also* Nice, Margaret Morse

- NICE, MARGARET MORSE  
 Do Birds Usually Change Mates for the Second Brood?, i. 70-72  
 Spring Arrivals of Song Sparrows in 1930, i. 140  
 The Technique of Studying Nesting Song Sparrows, i. 177-181  
 Returns of Song Sparrows in 1931, ii. 89-98  
 Measurements of White-throated and Other Sparrows to Determine Sex, iii. 30-31  
 The Song Sparrow Breeding Season of 1931, iii. 45-50  
 Birds of Oklahoma (rev.), iii. 77  
 Locating Returned Song Sparrows Banded as Nestlings, iv. 51-52  
 Nesting Success during Three Seasons in a Song Sparrow Population, iv. 119-131  
 Some Ornithological Experiences in Europe, iv. 147-154  
 Robins and Carolina Chickadees Remating, iv. 157  
 Relations between the Sexes in Song Sparrows (rev.), v. 53  
 Migratory Behavior in Song Sparrows (rev.), v. 54  
 The Opportunity of Bird-banding, v. 64-69  
 The Theory of Territorialism and Its Development (rev.), v. 98  
 The Eighth International Ornithological Congress, vi. 29-31  
 Some Observations on the Behavior of Starlings and Grackles in Relation to Light (rev.), vi. 78  
 Edmund Selous—An Appreciation, vi. 90-95  
 Les Oiseaux et le "Cantonnement" (rev.), vi. 99-102  
 Recent Literature (Reviews), iii. 79-80, iv. 117-118, 209-210, v. 49-54, 94-102, 137-146, 195-204
- NICE, MARGARET MORSE, and NICE, L.B.  
 A Study of Two Nests of the Black-throated Green Warbler, iii. 95-105, 157-172
- NICHOLS, JOHN T., i. 68, 90, 141, 186  
 Trap-shy House Sparrows, i. 80  
 A Five-year-old Downy Woodpecker, i. 142  
 A Banded Little Blue Heron in New Jersey, ii. 35  
 Distribution and Seasonal Movements of the House Sparrow, v. 20-23  
 Sex Ratio in House Sparrows, v. 188  
 Seasonal and Individual Variations in House Sparrows, vi. 11-15
- NICHOLS, JOHN T. (con.)  
 House Sparrow Replacement and a Severe Winter, vi. 96-98  
 Review by, i. 86-90
- NICHOLSON, E. M.  
 Field-notes on Greenland Birds (rev.), vi. 110
- NOBLE, G. K., and VOGT, WILLIAM  
 An Experimental Study of Sex Recognition in Birds (rev.), vi. 147
- NOLL, H.  
 The Effect of Drought on Breeding Birds (rev.), vi. 145
- Numenius arquatus arquatus. *See* Curlew, European
- Nuthatch, Red-breasted, weights of, i. 193
- Nuthatch, White-breasted  
 Age records, i. 83, ii. 71, iii. 34  
 Breeding habits of, ii. 68-69  
 External parasites collected from, iv. 71  
 Mating of, i. 142, ii. 70  
 Measurements of, v. 58, 62  
 Migration of, ii. 59-62  
 Population density in, ii. 62  
 Recovery of, ii. 61  
 Return of, iii. 113  
 Sex differentiation in, ii. 68  
 Study of, by means of marked individuals, i. 149-168, ii. 59-76  
 Territory in, ii. 64-68  
 Weights of, i. 193, v. 59
- Nycticorax nycticorax hoactli. *See* Heron, Black-crowned Night
- Nycticorax nycticorax nycticorax. *See* Heron, Night
- Nyroca affinis. *See* Duck, Lesser Scaup
- Nyroca americana. *See* Redhead
- Nyroca collaris. *See* Duck, Ring-necked
- Nyroca ferina ferina. *See* Pochard, Common
- Nyroca fuligula. *See* Duck, Tufted
- Nyroca marila. *See* Duck, Greater Scaup
- Nyroca valisineria. *See* Canvas-back
- Oceanites oceanicus. *See* Petrel, Wilson's
- Oceanodroma leucorhoa leucorhoa. *See* Petrel, Leach's
- OLSTAD, O.  
 Nesting Studies of the Willow Grouse (rev.), v. 201
- OORT, E. D. VAN  
 Results of Bird-banding in Holland (rev.), v. 139
- Oporornis agilis. *See* Warbler, Connecticut

- Oporornis formosus*. See Warbler, Kentucky
- Oporornis philadelphia*. See Warbler, Mourning
- Oriole, Baltimore  
Experiment in transporting to a distance, ii. 79  
External parasites collected from, iv. 73  
Measurements and weights of, v. 60-62  
Return of, iii. 32
- Oriole, Bullock's, trapping of, by use of nesting materials, ii. 188
- Oriole, European (*Oriolus oriolus*), recovery of, iv. 164
- Ornithological journals, foreign and domestic, exchanging with "Bird-Banding," vi. 139
- OSBORN, REGINALD A.  
Interesting History of Two White-breasted Nuthatches, i. 142
- Osprey  
Nesting habits of, iii. 119  
Notes on migration and mortality of, iii. 67-68  
Recoveries of, iii. 67, 119, iv. 49
- Otocoris alpestris alpestris. See Lark, Northern Horned
- Otocoris alpestris praticola. See Lark, Prairie Horned
- Otus asio naevius. See Owl, Eastern Screech
- Otus asio quercinus. See Owl, Southern California Screech
- Ouzel, Dusky, bandings and returns of, in Japan, iii. 2
- Ouzel, Eye-browed, bandings and returns of, in Japan, iii. 2
- Ouzel, Ring, migration of, i. 194
- Oven-bird  
Age record, vi. 67  
Brooding and rate of feeding of, iii. 164-165  
External parasites collected from, iv. 73  
Measurements and weights of, iv. 53, v. 60-61
- Owl, Barn  
Capture of, in a New York City high school, ii. 82  
Growth, i. 48  
Recoveries of, i. 50, iv. 49, 202
- Owl, Eastern Screech, plumage pattern of, ii. 38
- Owl, Great Horned  
Capture of, iii. 33  
Recoveries of, iv. 49
- Owl, Long-eared  
Growth, i. 48  
Recovery i. 50
- Owl, Pacific Horned, growth, i. 48
- Owl, Saw-whet  
Capture of, in a New York City apartment, ii. 82  
Measurements of, v. 58-59
- Owl, Screech  
Growth, i. 48  
Plumage pattern, ii. 38
- Owl, Southern California Screech, or Pasadena Screech Owl, growth, i. 48
- Oyster-catcher, American  
Age record, iii. 37  
Breeding of, on Cobb Island, iii. 17-22
- Oyster-catcher, European  
Age record, iii. 37, v. 140  
Recoveries of, iii. 36
- PALMGREN, PONTUS  
Observations on Territory in Finland (rev.), vi. 40  
A Method for Registering Variation of Bird Song in the Course of a Day (rev.), vi. 77
- Pandion haliaëtus carolinensis. See Osprey
- Parasites, bird, i. 51, 169, ii. 33, iii. 26, 72, iv. 68, 109  
Suggestions for collecting external, i. 146, iv. 75; blood, vi. 130
- Parrakeet, Shell, flock organization of, vi. 43
- PARTIN, J. L.  
A Year's Study of House Finch Weights (rev.), v. 52
- Partridge, Hungarian, nesting habits of, vi. 111
- Parus caeruleus caeruleus. See Titmouse, Blue
- Parus major major. See Titmouse, Great
- Parus major newtoni. See Titmouse, Great
- Parus palustris communis. See Titmouse, Marsh
- Passer domesticus domesticus. See Sparrow, House
- Passer montanus montanus. See Sparrow, European Tree
- Passerculus sandwichensis savanna. See Sparrow, Eastern Savannah
- Passerella iliaca iliaca. See Sparrow, Eastern Fox
- Passerina cyanea. See Bunting, Indigo
- PEABODY, W. RODMAN  
Note on Tree Sparrow Groups, ii. 39
- Pelican, Eastern Brown, external parasites collected from, iv. 70

- Pelidna alpina sakhalina*. See Sandpiper, Red-backed
- Penguin, Adélie  
Banding of, in the Antarctic, v. 187  
Return of, v. 187
- Penguin, Gentoo  
Banding of, in the Antarctic, v. 187  
Return of, v. 187
- Penikese Island, Buzzard's Bay, Mass.  
Strange disappearance of nesting Terns from, iii. 173-174  
Further Notes of Terns from, iv. 200-202, v. 44  
Recoveries of Herring Gulls banded from, v. 189
- Penthestes atricapillus atricapillus*. See Chickadee, Black-capped
- Penthestes carolinus carolinus*. See Chickadee, Carolina
- Perdix perdix perdix*. See Partridge, Hungarian
- PERKINS, SAMUEL E., III  
Indiana Bronzed Grackle Migration, iii. 85-94  
An Eastern Phoebe with a Reproductive Period of at Least Nine Years, vi. 136
- PETERS, HAROLD S.  
Ectoparasites and Bird-banding, i. 51-60  
Suggestions for Collecting External Parasites of Birds, i. 146  
External Parasites Collected from Banded Birds, iv. 68-75  
Ectoparasites (Correspondence), v. 148
- PETERSON, ROGER TORY  
A Field Guide to the Birds (rev.), v. 146
- Petrel, Leach's, measurements and weight of, v. 58-59
- Petrel, Wilson's, capture and banding of, off Cape Cod, iv. 45-49
- PETTINGILL, OLIN S., JR.  
Observations on the Nesting Activities of the Hermit Thrush, i. 72-77  
Two Common Tern Recoveries on their Wintering Grounds, iii. 31
- Pewee, Eastern Wood  
Measurements and weight of, iv. 52  
Nesting-habits, a change in the, i. 144
- Phalacrocorax atriceps*. See Cormorant, Blue-eyed
- Phalacrocorax auritus auritus*. See Cormorant, Double-crested
- Phalacrocorax carbo carbo*. See Cormorant, European
- Phalacrocorax carbo sinensis*. See Cormorant, European
- Phalacrocorax carbo subcormanus*. See Cormorant, European
- Phalarope, Wilson's, banding of, on Cape Cod, v. 37-38, vi. 22
- PHILLIPS, JOHN C., and LINCOLN, FREDERICK C.  
American Waterfowl: Their Present Situation and the Outlook for their Future (rev.), ii. 40
- Philohela minor*. See Woodcock
- Phoebe, Eastern  
Age record, vi. 136  
External parasites collected from, iv. 71  
Mating, i. 70  
Measurements, v. 58-59  
Recovery of, iii. 89  
Reproductive period of at least nine years, vi. 136  
Returns of, vi. 68, 136  
Weights, i. 192, iv. 52, v. 58
- Phoenicurus ochrurus*. See Redstart, Black
- Phoenicurus ochrurus gibraltariensis*. See Redstart, Black
- Phoenicurus phoenicurus*. See Redstart, Common European
- Phylloscopus trochilus*. See Warbler, Willow
- Physiological experiments, vi. 145
- Physiology of reproduction in birds, v. 142, vi. 112; of the migratory instinct, iv. 163, v. 137, vi. 38; of the temperature of birds, iii. 36, iv. 116
- Pica pica pica*. See Magpie, European
- PICKENS, A. L.  
Evening Drill of Chimney Swifts During the Late Summer (rev.), vi. 112
- Pigeon, Homing, homing instincts and powers of orientation in, vi. 38
- PIGGOTT, JOHN W.  
A Returning Pair of Barn Swallows, i. 82
- Pintail, American  
Age records, ii. 192  
Recoveries of, i. 189, 190, ii. 192, iii. 142, iv. 21, 23, 24, 29, 31, 90, 99, 135, 137, 142, 146, 181, 183, 185, 187, v. 195  
Returns of, i. 189  
Sex-ratio in, v. 189
- Pintail, Eurasian  
First certain record of, in North America, iv. 112  
Recoveries of, ii. 190, v. 51
- Pipilo erythrophthalmus alleni*. See Towhee, White-eyed
- Pipilo erythrophthalmus erythrophthalmus*. See Towhee, Red-eyed

- Pipilo fuscus petulans*. See Towhee, Brown
- Piranga erythromelas*. See Tanager, Scarlet
- Piranga rubra rubra*. See Tanager, Summer
- Pisobia fuscicollis*. See Sandpiper, White-rumped
- Pisobia melanotos*. See Sandpiper, Pectoral
- Pisobia minutilla*. See Sandpiper, Least
- Planesticus migratorius migratorius*. See Robin, Eastern
- Plectrophenax nivalis nivalis*. See Bunting, Snow
- Plover, Black-bellied  
Banding of, on Cape Cod, vi. 20  
Feeding habits of, in winter, vi. 144
- Plover, Semipalmated, banding of, on Cape Cod, v. 37, vi. 20
- Plover, Wilson's, breeding of, on Cobb Island, iii. 17-22
- Pochard, Common, migrating habits of the sexes, v. 195
- Pochard, Red-crested, late nesting of, due to drought, vi. 145
- Podiceps cristatus cristatus*. See Grebe, Great Crested
- POMERAT, C. M.  
A New Problem for Bird-Banders, v. 42
- PONCY, ROBERT  
Permanent Mating of a Pair of Carrion Crows (rev.), v. 145
- Poocetes gramineus gramineus*. See Sparrow, Eastern Vesper
- Population Studies (papers reviewed by Mrs. Nice), vi. 75-76
- PRICE, JOHN B.  
An Experiment in Staining California Gulls (rev.), ii. 135  
Some Flocking Habits of the Crowned Sparrows (rev.), iii. 38  
See also Danforth, C. H.
- Progne subis subis*. See Martin, Purple
- Protective coloration (papers reviewed by Mrs. Nice), vi. 78-79
- Protocalliphora*, i. 169-173, ii. 33, iii. 26-29, v. 194
- Prunella modularis occidentalis*. See Sparrow, Hedge
- Psaltriparus melanotis melanotis*. See Bush-tit, Black-eared
- Psilorhinus mexicanus cyanogenus*. See Jay, Central American Brown
- Ptarmigan, Willow. See Grouse, Willow
- Puffin, Atlantic  
Age records, i. 98  
Banding of, in the Gulf of St. Lawrence, i. 96-103  
Nesting, i. 96
- Pygoscelis adeliae*. See Penguin, Adélie
- Pygoscelis papua*. See Penguin, Gentoo
- Quail, table showing bandings and returns of, in Japan, iii. 2
- Quail, Gambel's, life history of, in Arizona (rev.), vi. 74
- Quail, Migratory  
Introduction of, in the Northeastern States, v. 150  
Migrational studies of, ii. 133, vi. 140-141  
Weights of, iv. 117-118
- Quail, Migratory Chinese, attempted introduction of, in Washington, v. 150
- Querquedula cyanoptera*. See Teal, Cinnamon
- Querquedula discors*. See Teal, Blue-winged
- Quiscalus quiscula æneus*. See Grackle, Bronzed
- Quiscalus quiscula aglæus*. See Grackle, Florida
- Quiscalus quiscula quiscula*. See Grackle, Purple
- Rail, King, external parasites collected from, iv. 70
- Rail, Northern Clapper, breeding of, on Cobb Island, iii. 17-22
- Rail, Virginia, measurements and weight of, v. 58-59
- Rallus elegans elegans*. See Rail, King
- Rallus limicola limicola*. See Rail, Virginia
- Rallus longirostris crepitans*. See Rail, Northern Clapper
- RAPINE, J. See Lebeurier, E.
- Raptores, studies in the growth of young, i. 48
- Redhead  
Age record, vi. 142  
Recoveries of, iii. 142, iv. 90, 142, 146, 185, 187
- Redshank, age record, v. 197
- Redstart, American  
Banding of, near Canton, Ohio, vi. 88  
Brooding and rate of feeding of, iii. 164-166  
Returns, i. 190, iii. 74  
Sex ratio in, vi. 88
- Redstart, Black  
Homing instinct in, v. 138  
Migration, iii. 180
- Redstart, Common European  
Feeding rate of, iv. 118  
Migration of, iii. 180  
Nesting of, v. 197  
Physiological experiments with, v. 137

- Red-wing, Eastern. *See* Blackbird, Eastern Red-winged
- Red-wing, Florida. *See* Blackbird, Florida Red-winged
- Regulus satrapa satrapa. *See* Kinglet, Eastern Golden-crowned
- RESÜHR, L. B., and ALBERTSEN, W.  
Recoveries of Black-headed Gulls in Relation to Birthplace (rev.), v. 196
- Return of young birds to their natal areas, discussion of, v. 152
- RICHMOND, W. K.  
Quest for Birds (rev.), vi. 44
- Richmondia cardinalis cardinalis. *See* Cardinal, Eastern
- RIDDLE, O., and BRAUCHER, P. F.  
Studies on the Physiology of Reproduction in Birds (rev.), v. 142
- RINTOUL, JAMES  
Correspondence concerning the making of celluloid bands, ii. 44
- Riparia riparia riparia. *See* Swallow, Bank
- Rissa tridactyla tridactyla. *See* Kittiwake
- RITTER, WILLIAM, and BENSON, S. B.  
Is the Poor Bird Demented? Another Case of "Shadow Boxing" (rev.), v. 143-144
- ROBERTS, M. B. *See* Shaver, J. M.
- ROBERTS, THOMAS S.  
Birds of Minnesota (rev.), iii. 180
- ROBERTSON, JOHN MCB.  
Some Results of Bird Banding in 1928 (rev.), i. 49
- Robin, Eastern  
Age record, iii. 113, vi. 109  
Body temperature of, iv. 116  
External parasites collected from, iv. 72  
Malaria parasites in, vi. 132  
Mating, i. 70  
Measurements, v. 58, 62  
Migration of, iii. 89  
Nesting habits of, i. 71  
Recoveries, i. 91, 145, iii. 89, iv. 101  
Returns, iv. 56, 157, vi. 106  
Weights, i. 193, v. 59
- Robin, European, age records, ii. 192, v. 49
- ROBINSON, H. W.  
Do Puffins get their Rings off? (rev.), i. 196
- ROBL, FRANK W., photograph of Hutchins's Goose by, iii. 115
- Rook  
Bandaging methods of, in France, v. 140-141  
Distribution of, v. 141  
Life history of (rev.), vi. 44  
Mating of year-old birds, v. 141
- Rossitten Bird Observatory, i. 83, 86, 148, 194, ii. 42, 86, iii. 180, iv. 212, v. 94, 138, 140, vi. 72, 103, 112
- ROTONDI, M. *See* Chigi, F.
- ROWAN, WILLIAM  
The Riddle of Migration (rev.), iii. 35  
Fifty Years of Bird Migration (rev.), v. 97
- RÜPPEL, W.  
Experiments on Distant Orientation in the Starling (rev.), v. 138  
Do Wandering Titmice have a Homing Instinct? (rev.), v. 138  
Homing Experiments with Swallows (rev.), vi. 37-38  
Homing Experiments with Starlings, 1934 (rev.), vi. 141
- RUSSELL, E. S.  
An Introduction to the Study of Animal Behavior (rev.), vi. 115
- Russia, bird-banding in, v. 96
- Rynchops nigra. *See* Skimmer, Black
- RYVES, LIEUT.-COL. and MRS. B. H.  
The Breeding-habits of the Corn-bunting as Observed in North Cornwall: with Special Reference to its Polygamous Habit (rev.), v. 202-203  
Supplementary Notes on the Breeding-habits of the Corn-bunting as Observed in North Cornwall in 1934 (rev.), vi. 41-42
- SANBORN, H. C.  
The Inheritance of Song in Birds (rev.), vi. 77
- SANDEN, WALTER VON  
On Quiet Paths (rev.), vi. 115  
Observations on Mute Swans (rev.), vi. 144
- Sanderling, botulism in, iii. 178
- Sandpiper, Eastern Solitary, bandings of, on Cape Cod, v. 37
- Sandpiper, Least  
Bandings of, on Cape Cod, v. 37, vi. 22  
Return of, vi. 22
- Sandpiper, Pectoral, bandings of, on Cape Cod, v. 37, vi. 22
- Sandpiper, Red-backed  
Bandings of, on Cape Cod, vi. 22  
External parasites collected from, iv. 71
- Sandpiper, Semipalmated  
Bandings of, on Cape Cod, v. 37, vi. 22  
Recovery of, v. 47  
Return of, vi. 22

- Sandpiper, Solitary, bandings of, on Cape Cod, v. 37, vi. 22
- Sandpiper, Spotted  
Bandings of, on Cape Cod, v. 37 vi. 20  
Food of, i. 8  
Growth rate of chick, with notes on nesting habits, i. 1-13  
Incubation period of, i. 8  
Measurements of, i. 10, 12  
Plumage of, i. 10  
Voice of, i. 2
- Sandpiper, Stilt, bandings of, on Cape Cod, v. 37, vi. 22
- Sandpiper, Western  
Bandings of, on Cape Cod, v. 37, vi. 22  
Measurements of bill, v. 38
- Sandpiper, White-rumped  
Bandings of, on Cape Cod, v. 37, vi. 22  
External parasites collected from, iv. 70
- Sapsucker, Northern Red-breasted, mating constancy, i. 91
- Sapsucker, Yellow-bellied, measurements and weight of, v. 58-59
- SAVARY, WALTER B., i. 132  
A Pine Warbler Return, i. 190  
A Second Pine Warbler Return, v. 191
- Sayornis phœbe. *See* Phœbe, Eastern
- Scardafella inca inca. *See* Dove, Inca
- SCHENK, JAKOB  
Statistics of Bird-Banding in Hungary (rev.), v. 197  
Ornithological Excursions in a Hungarian Puszta (rev.), v. 197
- SCHIERMANN, GOTTFRIED  
Studies of Avian Ecological Succession (rev.), vi. 76
- SCHIFFERLI, HERR A.  
Reports of Bird-Banding in Switzerland (rev.), v. 139
- SCHILDMACHER, H.  
Experiments on the Physiology of Migration (rev.), v. 137-138
- SCHMID, B.  
How Far Does the Falcon See? (rev.), vi. 74
- SCHUSTER, L.  
At the Eyrie of the Sea Eagle (rev.), vi. 74
- SCHÜZ, ERNEST  
Migration of the Scandinavian Lesser Black-backed Gull (rev.), v. 196  
The 28th Annual Report of the Vogelwarte of Rossitten (rev.), vi. 108  
Observations on Ringed Storks in the Breeding Season (rev.), vi. 112
- Scolopax rusticola rusticola. *See* Woodcock, European
- SEARLE, WILLIAM, JR., and BRYSON, D.  
Distribution and Number of the Dipper on the North and South Esks (Midlothian) (rev.), vi. 143
- SEITZ, A.  
Storks in Austria (rev.), vi. 112
- Seiurus aurocapillus. *See* Oven-bird
- Seiurus noveboracensis noveboracensis. *See* Water-Thrush, Northern
- SELOUS, EDMUND  
The Romance of the Animal World (rev.), vi. 79  
The Romance of Insect Life (rev.), vi. 79  
An Appreciation of, vi. 90-95
- Setophaga ruticilla. *See* Redstart, American
- Sex differentiation by measurements, iii. 30, vi. 8
- Sex-ratio, as a factor in determining territorial adjustments, ii. 49; in the House Sparrow, v. 188; of ducks, v. 195; of warblers, vi. 88
- Sex-ratios and weights in wintering crows, vi. 65
- Sex recognition in birds (rev.), vi. 147
- Sex Rhythm in the Ruffed Grouse and Other Birds (rev.), v. 144
- Sexual cycle in birds, studies on, iv. 8
- Sexual selection and territorialism (rev.), vi. 144
- Sexual selection theory (discussion of), vi. 40-41
- Sexual variations in the Starling, v. 103
- SHAVER, JESSIE M., and ROBERTS, M. B.  
A Brief Study of the Courtship of the Eastern Cardinal (rev.), v. 53
- SHELLEY, LEWIS O.  
On the Status of Juncos in the East Having White Wing-bars, ii. 169  
A Slate-colored Junco Recovery, ii. 186  
Inbreeding Downy Woodpeckers, iii. 69  
Some Notes on the Hairy Woodpecker, iv. 204  
Some Unusual Barn Swallow Nesting-Sites, v. 48  
Two Pairs of Tree Swallows Mated during Two Successive Seasons, v. 91  
Returns of Tree Swallows at East Westmoreland, N. H., v. 93  
Tree Swallow Tragedies, v. 134  
Herring Gull Recovery from Panama, v. 189

- SHELLEY, LEWIS O. (*con.*)  
 A Least Flycatcher Return-1, v. 191  
 Breeding Birds Successful Despite  
 Protocalliphora, v. 194  
 Notes on the 1934 Tree Swallow  
 Breeding-Season, vi. 33-35  
 A Downy Woodpecker with a Broken  
 Bill, vi. 35  
 Early Banding and Returning of an  
 Eastern Phoebe in New Hamp-  
 shire, vi. 68  
 A Pair of Downy Woodpeckers  
 Mated during Four Consecutive  
 Years, with Notes on the Male,  
 vi. 135  
 Known History of Eastern Song  
 Sparrows F-121239 and 34-148621,  
 vi. 137  
 Notes on the Growth, Behavior, and  
 Taming of Marsh Hawks (*rev.*),  
 vi. 144  
 Shorebirds, banding of, on Cape Cod,  
 Mass., v. 36-38; methods of  
 trapping, vi. 16-22
- SHORT, MRS. MACK  
 Some Tufted Titmice History, iv. 159  
 Shoveller, recoveries of, iii. 142, 146  
 Shrike, Loggerhead, weight of, iii. 117  
 Shrike, Northern  
 Measurements and weight of, v.  
 58-59  
 Some experiences with, vi. 70  
 Shrike, Red-backed, recoveries of, ii.  
 190, v. 96  
 Sialia sialisialis. *See* Bluebird, Eastern  
 Siskin, European  
 Recovery of, v. 97  
 Spring migration and distribution in  
 Europe, ii. 87  
 Siskin, Pine, weight of, i. 192  
 Sitta canadensis. *See* Nuthatch, Red-  
 breasted  
 Sitta carolinensis carolinensis. *See* Nut-  
 hatch, White-breasted  
 Sitta carolinensis cookei (*carolinensis*).  
*See* Nuthatch, White-breasted
- Skimmer, Black  
 Breeding of, on Cobb Island, iii.  
 17-22  
 External parasites collected from,  
 iv. 71  
 Recoveries and returns of, ii. 52-58
- SKOVGAARD, PETER  
 Danish Banding Papers (*rev.*), v.  
 50-51
- SKUTCH, A. F.  
 Helpers at the Nest (*rev.*), vi. 143  
 Sky-lark, biology of (*rev.*), vi. 144
- SMILEY, ALBERT K., JR., and SMILEY,  
 DANIEL, JR.  
 An Unusual Duck Hawk Recovery,  
 i. 144
- SMITH, LESTER W., i. 132, 141, 169  
 A Saw-whet Owl Banded, and other  
 Experiences with this Species, i. 42  
 A Fox Sparrow with the Trap Habit,  
 ii. 83
- SMITH, RONALD W.  
 Redstart and Yellow Warbler Re-  
 turns-25, iii. 74
- SMITH, WENDELL P., i. 135, 187, vi. 4  
 The Further History of a Nesting  
 Pair of Juncos, i. 36-40  
 A Possible Migrating Family Group,  
 i. 77-79  
 Irregular Molting of a Savannah  
 Sparrow, ii. 35  
 A Song Sparrow Return-4, ii. 36  
 Two Possible Migrating Family  
 Groups, iii. 116-117  
 Banding of a Brünnich's Murre at  
 Wells River, Vermont, iv. 115  
 Observations of the Nesting Habits  
 of the Black and White Warbler,  
 v. 31-35
- Snipe, Wilson's  
 Banding of, on Cape Cod, vi. 20  
 Recovery of, iv. 157
- Social order in Common Chicken and  
 in the Pigeon (*rev.*), v. 203-204
- Somateria mollissima dresseri. *See*  
 Eider, American
- Song, bird, in connection with territory,  
 vi. 100; method for intensive study  
 of, vi. 76-77; method for register-  
 ing variation in the amount of,  
 vi. 77
- Song in Birds, The Inheritance of (*rev.*),  
 vi. 77
- Sparrow, Chipping. *See* Sparrow,  
 Eastern Chipping.
- Sparrow, Clay-colored, capture of, on  
 Cape Cod, Mass., ii. 134
- Sparrow, Eastern Chipping  
 Age record, i. 145, iii. 113  
 External parasites collected from,  
 iv. 74  
 Foot disease in, ii. 35  
 Mating, constancy of, i. 70  
 Measurements and weights of, iv. 53,  
 v. 60-61  
 Migration of, iv. 54  
 Recoveries, i. 188, ii. 82, 121, 189  
 Returns, i. 47, 145, ii. 79, 189, 119,  
 iv. 104, vi. 127  
 Survival ratios in, vi. 127
- Sparrow, Eastern Field  
 External parasites collected from,  
 iv. 74  
 Foot disease in, ii. 35

- Sparrow, Eastern Field (*con.*)  
 Mating, constancy of, i. 70  
 Measurements, v. 60-61  
 Migration of, v. 172  
 Returns of, iii. 178, v. 173  
 Weights, i. 193, v. 61
- Sparrow, Eastern Fox  
 External parasites collected from, iv. 74  
 Measurements of, v. 60-61  
 Migration of, v. 85-88  
 Recoveries of, ii. 127, v. 91  
 Territorial range in winter, v. 86  
 Weights, i. 193, v. 61, 200
- Sparrow, Eastern Grasshopper, measurements and weights of, v. 60-61
- Sparrow, Eastern Lark, banding of, on Cape Cod, iii. 177
- Sparrow, Eastern Savannah  
 Age record, ii. 125  
 External parasites collected from, iv. 74  
 Measurements, iv. 53, v. 60-61  
 Molt of, ii. 35  
 Recoveries of, iv. 101  
 Returns of, ii. 125, v. 90  
 Weights, i. 192, iv. 53, v. 61
- Sparrow, Eastern Song  
 Age records, i. 144, ii. 36, iii. 34, 113, 119, vi. 135  
 External parasites collected from, iv. 75  
 Incubation period of, i. 179  
 Malarial parasites in, vi. 131-132  
 Mating of, i. 70  
 Measurements of, i. 81, v. 60-63, vi. 32  
 Nesting habits of, i. 71, 72, 177-181, vi. 138  
 Nesting territories, availability of, for returning juveniles, iii. 106-108  
 Population study of, i. 140  
 Protocalliphora infestation of, iii. 26  
 Recoveries of, i. 83, 91, ii. 83, iii. 119, iv. 158  
 Repeating, vi. 133-134  
 Returns of, i. 83, 144, ii. 36, 184, iii. 34, 119, 179, iv. 104, vi. 106, 137  
 Song of female, vi. 32-33  
 Territorial range in, i. 140, 177, iii. 106-108  
 Voice of, vi. 33  
 Weights of, i. 80, v. 61, 63, vi. 32
- Sparrow, Eastern Tree  
 Age records, ii. 126, iii. 73, vi. 68, 104, 136  
 External parasites collected from, iv. 74  
 Group habit in, i. 78, ii. 39  
 Homing instinct in, vi. 6
- Sparrow, Eastern Tree (*con.*)  
 Incubation period of, vi. 7  
 Measurements of, iii. 30, iv. 53, v. 60-61  
 Migration and local movements of, on Cape Cod, iii. 81-84  
 Molt of, vi. 10-11  
 Photograph of a "plumed" individual, v. 45  
 Recoveries of, i. 189, iii. 85  
 Returns of, i. 143, 188, ii. 78, 126, iii. 73, 113, iv. 107, 159, v. 136, vi. 104, 136  
 Sex differentiation in, vi. 8  
 Tail plumes as a means of marking, v. 45-46  
 Territories and seasonal variations of, vi. 1-11  
 Weights of, iii. 30, iv. 53, v. 61, vi. 9
- Sparrow, Eastern Vesper  
 Eggs per nest of, ii. 179, iii. 33, 114, 116  
 External parasites collected from, iv. 74  
 Incubation period of, ii. 179  
 Measurements, iv. 53, v. 60-61  
 Nesting habits of, ii. 178, iii. 33, 114  
 Plumage of, ii. 181  
 Recovery of, iv. 159  
 Weights, i. 192, iv. 53, v. 61
- Sparrow, European Tree  
 Age records, iv. 117  
 Thyroid studies of, vi. 145
- Sparrow, Field. *See* Sparrow, Eastern Field
- Sparrow, Fox *See* Sparrow, Eastern Fox
- Sparrow, Gambel's  
 Age record, v. 52  
 Returns, i. 46, v. 135  
 Status of, in Michigan, ii. 43
- Sparrow, Golden-crowned  
 Flocking habits of, iii. 38  
 Homing instinct in, v. 138  
 Weights of, v. 142, 200
- Sparrow, Grasshopper, measurements and weights of, v. 60-61
- Sparrow, Harris's  
 Age record, vi. 38  
 Migrational study, i. 174-176  
 Migration of, i. 69  
 Trapping, i. 174
- Sparrow, Hedge age records, vi. 73
- Sparrow, House  
 Distribution and seasonal movements of, v. 20-23  
 Individual variations in, vi. 11-15  
 Molt of, vi. 15  
 Recoveries and returns of, v. 23, 96  
 Replacement of, vi. 96-98  
 Secondary sex characters in, vi. 112  
 Sex ratio in, v. 188

- Sparrow, House (con.)**  
Thyroid studies in, vi. 145  
Trap-shy, i. 80
- Sparrow, Lark, banding of, on Cape Cod, iii. 177**
- Sparrow, Lincoln's**  
External parasites collected from, iv. 74  
Measurements of, iii. 30, v. 60-61  
Weights of, iii. 30, v. 61  
Wintering at Norristown, Pa., i. 140
- Sparrow, Mississippi Song**  
Age records, iii. 34  
Breeding season of 1931, iii. 45-50  
Mating of, v. 53-54  
Measurements of, iii. 30-31  
Migration of, correlated with the weather, ii. 94  
Migratory behavior in, v. 54  
Nesting habits of, iii. 45-50, iv. 119-131  
Parasitized by Cowbirds, iii. 46-50, iv. 121-130  
Returns of, ii. 96-97, iv. 51-52  
Study of local population, ii. 89-98, iv. 119-131, v. 54  
Territory in, ii. 90-97, v. 144  
Weights of, iii. 30-31
- Sparrow, Nelson's, wintering of, in New Jersey, iv. 115**
- Sparrow, Nuttall's**  
Group habit in, i. 49  
Range of flocks in winter, i. 48-49
- Sparrow, Puget Sound White-crowned, flocking habits of, iii. 38**
- Sparrow, Savannah. See Sparrow, Eastern Savannah**
- Sparrow, Song. See Sparrow, Eastern and Mississippi Song**
- Sparrow, Swamp**  
External parasites collected from, iv. 75  
Measurements and weights of, iv. 54, v. 60-61
- Sparrow, Tree (American). See Sparrow, Eastern Tree**
- Sparrow, Tree (European). See Sparrow, European Tree**
- Sparrow, Vesper. See Sparrow, Eastern Vesper**
- Sparrow, White-crowned**  
External parasites collected from, iv. 74  
Flocking habits, iii. 38  
Group habit, i. 78  
Measurements of, iv. 53, v. 60-61  
Recovery of, ii. 39  
Return of, v. 135  
Weights, i. 192, iv. 53, v. 61
- Sparrow, White-throated**  
Age record, vi. 135  
External parasites collected from, iv. 74  
Group-habit, i. 77, ii. 153, iii. 116, v. 153  
Measurements of, iii. 30, iv. 54, v. 60-61  
Migrational study, i. 174-176  
Migration of, i. 69, ii. 137-165  
Recoveries, i. 141, 185, iii. 35, iv. 56, 159  
Returns, i. 16, 84, 143, ii. 78, 116, 144, 178, iv. 113, v. 102, vi. 126  
Territorial range in, ii. 147  
Weights, i. 193, iii. 30, iv. 54, v. 61  
*Sphyrapicus varius ruber. See Sapsucker, Northern Red-breasted*  
*Sphyrapicus varius varius. See Sapsucker, Yellow-bellied*  
*Spinus pinus pinus. See Siskin, Pine*  
*Spinus spinus. See Siskin, European*  
*Spinus tristis tristis. See Goldfinch, Eastern.*  
*Spizella arborea arborea. See Sparrow, Eastern Tree.*  
*Spizella monticola monticola. See Sparrow, Eastern Tree*  
*Spizella pallida. See Sparrow, Clay-colored*  
*Spizella passerina passerina. See Sparrow, Eastern Chipping*  
*Spizella pusilla pusilla. See Sparrow, Eastern Field*
- SPRAKE, LESLIE**  
Perdix the Partridge (rev.), vi. 44
- Squatarola squatarola. See Plover, Black-bellied**
- Starling, European**  
Age records, ii. 192, v. 49, 100, 126, 142, 200, vi. 38, 109, 142  
Biology of (rev.), iv. 209-210  
Distribution of, v. 118-128  
External parasites collected from, iv. 72  
Feeding rate of, iv. 210  
Homing instinct in, v. 138, vi. 141  
Incubation period of, iv. 209  
Individual and sexual variations in, v. 103-117  
Measurements of, v. 58-59, 114-116  
Migration of, iii. 120, v. 119-128, 139  
Nesting habits of, iv. 209, vi. 58-61  
Plumage of, ii. 187, v. 114  
Protocalliphora and mites in nest of, iii. 27-28  
Recoveries of, ii. 192, iii. 34, iv. 112, 117, v. 119-128, 142  
Returns of, iv. 112, v. 42-43, 93, vi. 141  
Sexual cycles in, iii. 79

- Starling, European (*con.*)  
Weights of, v. 59, 108-110  
Winter roosts of, in Great Britain,  
vi. 75
- STEINFATT, O.  
The Nest Life of the Night Heron  
(rev.), v. 201
- Steganopus tricolor. *See* Phalarope,  
Wilson's
- Stelgidopteryx ruficollis. *See* Swallow,  
Rough-winged
- Stelgidopteryx ruficollis serripennis.  
*See* Swallow, Rough-winged
- Stercorarius parasiticus. *See* Jaeger,  
Parasitic
- Sterna antillarum antillarum. *See*  
Tern, Least
- Sterna caspia imperator. *See* Tern,  
American Caspian
- Sterna dougalli dougalli. *See* Tern,  
Roseate
- Sterna forsteri. *See* Tern, Forster's
- Sterna hirundo hirundo. *See* Tern,  
Common
- Sterna paradisæa. *See* Tern, Arctic
- Sterna sandvicensis. *See* Tern, Sand-  
wich
- Sterninæ, ecological study of Cape Cod,  
iii. 124, iv. 190
- STEVENS, O. A.  
Some Secondary Results of Bird-  
Banding, i. 67-69  
Hours of the Day when Harris's and  
White-throated Sparrows were  
Trapped during Migration, i.  
174-176  
The Distribution of Bird-Banding  
Stations, vi. 25-28
- STEVENSON, J.  
Experiments on the Digestion of Food  
by Birds (rev.), v. 100
- STEWART, PAUL A.  
What was Wrong with This House  
Wren?, ii. 38  
A New North American Ectoparasite  
for the Starling, iii. 72  
A Red-bellied Woodpecker Six and a  
Half Years of Age, iv. 56
- STIMMELMAYR, ANTON, and STIMMEL-  
MAYR, ALEX  
Bird Migration and Electricity (rev.),  
vi. 71-72
- Stork, Black, migration of, v. 51
- Stork, White  
Age records, v. 52  
Departure of, from Rossitten, iv. 212  
Explanation for throwing young of,  
from nest, vi. 74-75  
Migration of, ii. 86, 190, iii. 79, v. 51,  
94-95
- Stork, White (*con.*)  
Observations on, in the breeding  
season, vi. 112  
Recoveries of, i. 88, ii. 190, v. 51  
Statistics of, vi. 112  
Time required to reach maturity,  
iii. 79
- STRABALA, LONY B.  
Notes on the Slate-colored Junco,  
ii. 128
- Streptopelia turtur turtur. *See* Dove,  
Turtle
- STRESEMANN, ERWIN, i. 83  
Aves (rev.), vi. 43
- Sturnus vulgaris vulgaris. *See* Starling,  
European
- Summerville, S. C., i. 84, 130, ii. 34-35,  
37, 78, 116-125, 185-189, iii. 108,  
iv. 70, 159, vi. 125-130
- SUMNER, E. L., JR.  
Comparative Studies in the Growth  
of Young Raptores (rev.), i. 48  
The Behavior of Some Young Rap-  
torial Birds (rev.), vi. 114-115
- SUMNER, E. L., SR.  
The "Homing Instinct," Winter  
Territory and Individual Flight  
Lines (rev.), v. 138  
Wren-tit Banded in 1925 Again  
Trapped (rev.), v. 200  
*See also* Linsdale, J. M.
- SUMNER, F. B.  
Does "Protective Coloration" Pro-  
tect? Results of Some Experi-  
ments with Fishes and Birds (rev.),  
vi. 78-79
- Sun-spot activity, relationship with  
living things, ii. 107-110
- SUTTON, GEORGE MIKSCH  
Eskimo Year: A Naturalist's Adven-  
tures in the Far North (rev.), iv. 44
- Swallow, Bank  
Protocalliphora infestation of, ii. 33  
Recoveries and returns of, vi. 106,  
109
- Swallow, Barn  
Attempted parasitizing of, by Cow-  
birds, iii. 178-179  
External parasites collected from,  
iv. 71  
Nesting habits of, iii. 74, v. 48  
Protocalliphora infestation of, i. 171,  
ii. 33, iii. 26-27  
Recovery of, iv. 157  
Returns of, i. 82, iii. 35
- Swallow, Chimney, study of, and  
methods of banding in Japan, iii.  
1-11
- Swallow, European  
Experiments in raising, vi. 74

- Swallow, European (*con.*)  
 Homing instinct in, v. 138, vi. 37  
 Migrational studies of, iii. 79  
 Returns of, iv. 117, 164, v. 97, 197  
 Young of, assist in building the second nest, vi. 74
- Swallow, Liu-Kiu, migrant to Japan, iii. 1
- Swallow, Mosque, study of, and methods of banding in Japan, iii. 1-11
- Swallow, Rough-winged  
 Distribution of, in New England, i. 29-35  
 Homing instinct in, v. 43-44  
 Nesting habits of, i. 33
- Swallow, Tree  
 Age record, iii. 178  
 Breeding season of 1934, notes on vi. 33-34  
 External parasites collected from, iv. 71  
 Incubation period of, iii. 41  
 Mating of, v. 28, 91, vi.  
 Measurements of, v. 57-59  
 Mortality of, iii. 44, iv. 86, v. 25, 29, vi. 48-51  
 Nest distribution, v. 24-30  
 Nesting efficiency of, vi. 143  
 Nesting habits of, iii. 38-44, iv. 76, 160, v. 24, vi. 33-35, 48  
 Plumage of, iv. 79  
 Protocalliphora infestation of, i. 169, 171, iii. 26-28  
 Recoveries of, v. 28, vi. 56  
 Returns of, iii. 40, 72, iv. 76, v. 24, 93, vi. 48, 52  
 Survival ratio of, v. 24-30  
 Territory and box preferences, iv. 77  
 Weights of, v. 60  
 Wintering of, in New Jersey, iv. 115
- Swallow, Welcome, mating of, for six years, vi. 42
- Swallows (European)  
 Disastrous mortality of, in central Europe, in September, 1931, due to a severe cold spell, iii. 78  
 Effects of 1931 disaster of, iv. 164
- Swallows (Japanese), studies of, by the banding method, iii. 1-11
- Swan, Mute  
 Population fluctuations among, vi. 144  
 Territorial behavior of, v. 143
- Sweden, bird-banding in, v. 49-50
- Swift, Alpine  
 Age record of, iv. 117, v. 139  
 Return of, to natal area, v. 139
- Swift, Chimney  
 Aerial evolutions of migrating, vi. 112  
 Banding of, at Chattanooga, Tenn., i. 104-112, 196
- Swift, Chimney (*con.*)  
 External parasites collected from, iv. 71  
 Foot disease in, i. 34  
 Migration of, i. 104  
 Recoveries, i. 196, ii. 192  
 Returns, i. 191  
 Trapping of, i. 107, 109  
 Weights, i. 192
- Swift, European  
 Age records, v. 50  
 Mating, nesting, and returns of, i. 147  
 Recovery of, iv. 164  
 Return of, to natal area, ii. 86
- Switzerland, bird-banding in, iv. 117, v. 139
- Sylvia atricapilla. *See* Blackcap
- Sylvia borin. *See* Warbler, Garden
- Sylvia curruca curruca. *See* White-throat, Lesser
- Sylvia undata dartfordiensis. *See* Warbler, Dartford
- SZIDAT, L.  
 Why Does the Stork Throw Its Young from the Nest? (rev.), vi. 74
- TABER, WILLIAM BREWSTER, JR.  
 The Fall Migration of Mourning Doves (rev.), i. 196
- Tanager, Scarlet  
 External parasites collected from, iv. 73  
 Measurements and weight, v. 60-61
- Tanager, Summer, occurrence of a pair of, on Cape Cod, iii. 176
- Teal, Blue-winged  
 Recoveries of, iii. 142, iv. 29, 31, 90, 91, 99, 137, 144, 181  
 Sex ratio in, v. 195
- Teal, Cinnamon, recoveries of, iv. 24, 146, 187
- Teal, European, return of, to natal area, v. 151
- Teal, Green-winged  
 Recoveries, i. 189, 190, iv. 21, 32, 90, 99, 146, 183, 185, 187  
 Returns, i. 189
- Telmatodytes palustris. *See* Wren, Long-billed Marsh
- Tern, American Caspian  
 Banding of, in the Gulf of St. Lawrence, i. 103  
 Breeding of, on Cobb Island, iii. 22-23  
 Recovery of, i. 91
- Tern, Arctic  
 Age record, v. 50  
 Banding of, in Cape Cod tern rookeries, iii. 63  
 Distribution, vi. 23

- Tern, Arctic (*con.*)**  
 Experiments in changing eggs of, with other species, vi. 43  
 Recoveries, i. 91, iv. 163, v. 50  
 Return of, vi. 24
- Tern, Common**  
 Ages of breeding adults, iii. 136-139  
 Age records of, ii. 192, iii. 136, vi. 35, 69  
 Banding of, in Cape Cod tern rookeries, iii. 63-65  
 Breeding of, on Cobb Island, Va., iii. 17-22  
 Food of, i. 184, v. 157  
 Incubation period of, iii. 127-128  
 Mating of, iii. 132, vi. 42  
 Mortality of, iii. 134, iv. 193, v. 165  
 Nesting habits of, i. 182, iii. 123-126, 174  
 Recoveries of, i. 91, 145, ii. 77, 81, 185, 192, iii. 31, iv. 160, vi. 35, 69  
 Returns of, ii. 77, iii. 33, 134-136, 173  
 Statistics of banding at Tern Island, Chatham, Mass., i. 20-26  
 Territorial selection in, iii. 130-133  
 Trapping of, i. 81, 183
- Tern, Forster's**  
 Breeding of, on Cobb Island, iii. 17-22  
 Nesting habits of, iii. 21  
 Voice of, iii. 23
- Tern, Gull-billed**  
 Breeding of, on Cobb Island, iii. 17-22  
 Migration of, iii. 120
- Tern, Least**  
 Breeding of, on Cobb Island, iii. 17-22  
 External parasites collected from, iv. 71
- Tern, Roseate**  
 Age record, iii. 34  
 Banding of, in Cape Cod tern rookeries, iii. 63-65  
 Breeding when one year old, i. 184  
 First record from Newfoundland, iii. 75  
 Incubation period of, iii. 127-128  
 Nesting habits of, iii. 123-126  
 Recovery of, iii. 34, 75  
 Statistics of banding at Tern Island, Chatham, Mass., i. 20-26  
 Trapping of, i. 81, 183
- Tern, Royal**  
 Breeding of, on Cobb Island, iii. 22-23  
 External parasites collected from, iv. 71
- Tern, Sandwich**  
 Age records, ii. 192, v. 50, 140, vi. 73
- Tern, Sandwich (*con.*)**  
 Recoveries of, ii. 192, iii. 37, vi. 50, vi. 37
- Tern Island, Chatham, Mass., i. 20, 128, 181-184, iii. 63-65, 123-139, iv. 190-198, vi. 155-170**
- Tern rookeries of Cape Cod**  
 Bandings in, during 1931, iii. 63-65  
 Status of, during 1932, iii. 143-156  
 Status of, during 1933, iv. 190-198  
 Status of, during 1934, v. 155-171
- Terragraph, experiments with, on the activities of nesting birds, iv. 33**
- Territorialism and its development, the theory of (rev.), v. 98**
- Territorialism and sexual selection (rev.), vi. 144**
- Territory, definition of, vi. 110; size and measurement of, iv. 41; meaning of, in the life of birds (rev.), vi. 110;**
- Territory theory, and Bernard Altum (rev.), vi. 109; questions of, iv. 56-57, v. 97-98, vi. 79-80, 99-102; Mrs. Nice on (rev.), 99-102**
- Thalasseus maximus maximus. See Tern, Royal**
- THIENEMANN, J.**  
 Rossitten (rev.), v. 94  
 Vom Vogelzuge in Rossitten (rev.), v. 94
- THOMAS, EDWARD S.**  
 A Study of Starlings Banded at Columbus, Ohio, v. 118-128
- THOMSON, A. LANDBOROUGH**  
 The Migration of British and Irish Woodcock: Results of the Marking Method (rev.), i. 195
- THORNTHWAITE, C. W.**  
 Ecological papers by (rev.), v. 99
- Thrasher, Brown**  
 Age records, v. 191, vi. 67, 134  
 External parasites collected from, iv. 72  
 Mating, i. 70  
 Measurements and weight, v. 58-59  
 Recoveries of, v. 133, 191  
 Returns of, v. 133, 191
- Thrush, Eastern Hermit**  
 External parasites collected from, iv. 72  
 Food of, i. 76  
 Measurements and weights of, v. 58-59  
 Nesting activities of, i. 72-77  
 Return of, ii. 78  
 Weights of, iv. 52
- Thrush, Gray-cheeked, measurements and weight, iv. 52**
- Thrush, Hermit. See Thrush, Eastern Hermit**

- Thrush, Olive-backed  
   External parasites collected from, iv. 72  
   Return of, vi. 66  
 Thrush, Pale, bandings and returns of, in Japan, iii. 2  
 Thrush, Song  
   Age records, ii. 192  
   Migration of, v. 196  
 Thrush, Wood  
   Age record, iii. 177  
   External parasites collected from, iv. 72  
   Measurements and weight, v. 58-59  
   Recovery of, iii. 177  
   Returns, i. 83, 142, 191, ii. 78  
*Thryothorus ludovicianus ludovicianus*.  
   *See* Wren, Carolina  
 Ticks, i. 56-57, 146, iv. 69; on Towhees and White-throated Sparrows, ii. 34  
 TINBERGEN, N.  
   On the Meaning of Territory in the Life of Birds (rev.), vi. 110  
   Food Preferences of the Long-eared and Other Owls (rev.), v. 100  
   The Egg as a Brood-Object (rev.), vi. 43  
 Titmice, homing instinct in wandering, v. 138  
 Titmouse, Blue  
   Age records of, iv. 117  
   Homing instinct, v. 138  
   Local movements of, iv. 58  
   Recovery of, iv. 117, v. 138  
 Titmouse, Great  
   Age record, v. 139  
   Breeding of, iv. 117  
   Homing instinct, v. 138  
   Local movements of, iv. 58  
   Nesting of, v. 96, 197, vi. 143  
   Parasite on, vi. 145  
   Recoveries of, iv. 117, v. 96, 138  
 Titmouse, Long-tailed, three adults of, feeding young at one nest, vi. 74  
 Titmouse, Marsh, age record, v. 139  
 Titmouse, Tufted  
   Age record, iv. 160  
   Behavior and local distribution of, in winter and spring, i. 113-127  
   External parasites collected from, iv. 71  
   Food of, i. 125  
   Group habit in, i. 116-122  
   Return of, iv. 159  
*Totanus calidris*. *See* Redshank  
*Totanus flavipes*. *See* Yellow-legs, Lesser  
*Totanus melanoleucus*. *See* Yellow-legs, Greater  
 Towhee, Brown, territorial defense of, v. 144  
 Towhee, Red-eyed  
   Age record, vi. 134  
   External parasites collected from, iv. 73  
   Juveniles return to birthplace, iv. 51  
   Mating, constancy of, i. 70  
   Measurements and weights, v. 60-62  
   Plumage of, ii. 37  
   Recoveries of, ii. 185, v. 48  
   Returns of, ii. 36, 124, iv. 51, vi. 128  
   Variation in irises and rectrices, ii. 37  
   Weights of, iv. 53, v. 61  
 Towhee, Spotted, age record, ii. 135  
 Towhee, White-eyed  
   External parasites collected from, iv. 73  
   Variations in irises and rectrices of, ii. 37  
 TOWNSEND, CHARLES W.  
   An Estimate by Means of Bands of the Number of Terns on Penikese Island, Mass., in 1933, v. 44  
*Toxostoma rufum*. *See* Thrasher, Brown  
*Tringa solitaria solitaria*. *See* Sandpiper, Eastern Solitary  
*Troglodytes aëdon aëdon*. *See* Wren, Eastern House  
*Troglodytes troglodytes hirtensis*. *See* Wren, St. Kilda  
*Turdus merula merula*. *See* Blackbird, European  
*Turdus migratorius migratorius*. *See* Robin, Eastern  
*Turdus philomelos philomelos*. *See* Thrush, Song  
*Turdus torquatus*. *See* Ouzel, Ring  
 Turnstone, European  
   Migrant in eastern Neufähr, iii. 37  
   Speed of flight, vi. 141  
 Turnstone, Ruddy  
   Banding of, on Cape Cod, v. 37, vi. 20  
   Botulism in, iii. 178  
*Tyrannus tyrannus*. *See* Kingbird, Eastern  
*Tyrannus verticalis*. *See* Kingbird, Arkansas  
*Tyto alba pratincola*. *See* Owl, Barn  
 UCHIDA, SEINOSUKE  
   Studies of Swallows by the Banding Method, iii. 1-11  
 UEXKÜLL, J. V., and KRISZAT, G.  
   Rambles through the Worlds of Animals and Men (rev.), v. 203  
 University of Michigan Biological Station, contribution from, i. 1-13

- Uria aalge aalge*. See Murre, Common  
*Uria lomvia lomvia*. See Murre, Brännich's  
*Uria troille troille*. See Murre, Common  
 URNER, CHARLES A.  
 Birds of Union County, N. J. and Its Immediate Vicinity: A Statistical Study (rev.), vi. 76
- VALIKANGAS, I., and HYTÖNEN, O.  
 Bird-ringing in Finland during 1930-32 (rev.), vi. 108
- Vanellus vanellus. See Lapwing
- VAN TYNE, JOSSELYN  
 Status of Gambel's Sparrow in Michigan (rev.), ii. 43  
 Winter Returns of the Indigo Bunting in Guatemala, iii. 110
- Veery  
 External parasites collected from, iv. 72  
 Measurements and weights of, iv. 52, v. 58-59  
 Return of, ii. 78
- VENABLES, L. S. V.  
 Notes on Territory in the Dartford Warbler (rev.), v. 203
- VENABLES, L. S. V., and LACK, D.  
 Territory in the Great Crested Grebe (rev.), vi. 73
- Vermivora celata celata. See Warbler, Orange-crowned  
*Vermivora leucobronchialis*. See Warbler, Brewster's  
*Vermivora peregrina*. See Warbler, Tennessee  
*Vermivora pinus*. See Warbler, Blue-winged  
*Vermivora ruficapilla ruficapilla*. See Warbler, Nashville
- Vireo, Bell's, nesting of, i. 71  
 Vireo, Blue-headed, Protocalliphora infestation of, i. 172  
 Vireo, Philadelphia  
 Banding of, on Cape Cod, iii. 176  
 Weight of, iv. 53  
 Vireo, Red-eyed  
 External parasites collected from, iv. 72  
 Measurements of, v. 58-59  
 Weights of, iv. 53, v. 59  
 Vireo belli. See Vireo, Bell's  
 Vireo olivaceus. See Vireo, Red-eyed  
 Vireo philadelphicus. See Vireo, Philadelphia  
 Vireo solitarius solitarius. See Vireo, Blue-headed
- VOGT, WILLIAM. See Noble, G. K.
- Vulture, Black, external parasites collected from, iv. 70  
 Vulture, Turkey  
 Bandings and recoveries of, iv. 49  
 External parasites collected from, iv. 70
- WADLUND, P. R. See Bissonnette, Thomas Hume
- WAGNER, GEORGE  
 Mortality in Marsh Hawks, iv. 50  
 Wagtail, Blue-headed Yellow (*Motacilla flava*), migration of, i. 148  
 Wagtail, Gray (*Motacilla cinerea*), migration of, i. 148  
 Wagtail, White (*Motacilla alba*), migration of, i. 148
- Warbler, Audubon's, returns, i. 46, 47  
 Warbler, Bay-breasted, banding of, near Canton, Ohio, vi. 88  
 Warbler, Black and White  
 Banding of, near Canton, Ohio, vi. 86, 88  
 External parasites collected from, iv. 72  
 Incubation period of, v. 31  
 Measurements of, v. 34, 58-59  
 Nesting habits of, v. 31-35  
 Plumage of, v. 35  
 Sex ratio of, vi. 86, 88  
 Weights, i. 193, v. 59
- Warbler, Blackburnian  
 Banding of, near Canton, Ohio, vi. 88  
 Return of, ii. 78  
 Sex ratio in, vi. 88
- Warbler, Black-poll  
 Banding of, near Canton, Ohio, vi. 88  
 Weights of, iv. 53
- Warbler, Black-throated Blue  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Brooding and rate of feeding of, iii. 164-165  
 Protocalliphora infestation of, i. 171  
 Sex ratios in, vi. 86, 88
- Warbler, Black-throated Green  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Brooding, and rate of feeding of, iii. 159-168  
 Incubation period of, iii. 95, 157  
 Nesting studies of two nests of, iii. 95-105, 157-172  
 Recovery of, v. 135  
 Sex ratio in, vi. 86, 88  
 Voice of, iii. 96, 168-170
- Warbler, Blue-winged  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Sex ratio in, vi. 88  
 Warbler, Brewster's, banding of, near Canton, Ohio, vi. 86

- Warbler, Canada  
 Banding of, near Canton, Ohio, vi. 88  
 Sex ratio in, vi. 88  
 Weight of, iv. 53
- Warbler, Cape May  
 Banding of, at Canton, Ohio, vi. 86, 88  
 External parasites collected from, iv. 72
- Warbler, Cerulean  
 Banding of, on Cape Cod, iii. 177  
 Banding of, near Canton, Ohio, vi. 86, 88
- Warbler, Chestnut-sided  
 Banding of, near Canton, Ohio, vi. 88  
 Brooding and rate of feeding of, iii. 164-166  
 External parasites collected from, iv. 73  
 Measurements and weight of, v. 60-61  
 Protocalliphora infestation of, i. 171  
 Sex ratio in, vi. 88
- Warbler, Connecticut  
 Banding of, near Canton, Ohio, vi. 88  
 Weight of, iv. 53
- Warbler, Dartford, territory in, v. 203
- Warbler, Eastern Yellow  
 Age record, iii. 113, vi. 109  
 Brooding and rate of feeding of, iii. 164-165  
 Measurements and weights of, v. 58-59  
 Returns, i. 190, iii. 74, vi. 107
- Warbler, Garden, age record of, in captivity, v. 142
- Warbler, Hooded  
 Banding of, near Canton, Ohio, vi. 88  
 Weight of, iv. 53
- Warbler, Kentucky  
 Banding of, near Canton, Ohio, vi. 88  
 Sex ratio in, vi. 88
- Warbler, Little Swamp, first record of, in Morocco, iii. 120
- Warbler, Magnolia  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Brooding and rate of feeding of, iii. 164-166  
 External parasites collected from, iv. 72  
 Sex ratio in, vi. 86
- Warbler, Mourning  
 Banding of, near Canton, Ohio, vi. 88  
 Sex ratio in, vi. 88
- Warbler, Myrtle  
 Age determination of, v. 56  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Brooding and rate of feeding of, iii. 164-166
- Warbler, Myrtle (*con.*)  
 External parasites from, iv. 73  
 Measurements of, v. 58-59  
 Recovery of, iv. 158  
 Returns, i. 47, v. 92  
 Sex ratio in, vi. 86  
 Weights, i. 193, iv. 53, v. 56, 59
- Warbler, Nashville, banding of, near Canton, Ohio, vi. 86, 88
- Warbler, Northern Parula  
 Banding of, near Canton, Ohio, vi. 86  
 Brooding, and rate of feeding of, iii. 164-165
- Warbler, Northern Pine  
 Age record, v. 191  
 Measurements and weights of, iv. 53, v. 60-61  
 Returns of, i. 190, vr. 191
- Warbler, Northern Prairie  
 Measurements of, v. 60-61  
 Weights of, iv. 53, v. 61
- Warbler, Orange-crowned, banding of, near Canton, Ohio, vi. 86
- Warbler, Palm. *See* Warbler, Western Palm and Yellow Palm
- Warbler, Parula. *See* Warbler, Northern Parula
- Warbler, Pine. *See* Warbler, Northern Pine
- Warbler, Prairie. *See* Warbler, Northern Prairie
- Warbler, Reed, destruction of nests of, by the wind, vi. 146
- Warbler, Tennessee  
 Banding of, near Canton, Ohio, vi. 86, 88  
 Sex ratio in, vi. 88  
 Weight of, iv. 53
- Warbler, Western Palm  
 Measurements and weights of, iv. 53  
 Recovery of, iv. 156  
 Spring banding record of, on Cape Cod, iii. 177
- Warbler, Willow  
 Age records, v. 50  
 European races of, killed at Helgoland lighthouse, ii. 190
- Warbler, Wilson's  
 Banding of, near Canton, Ohio, vi. 88  
 Sex ratio in, vi. 88
- Warbler, Worm-eating, banding of, on Cape Cod, iii. 176-177
- Warbler, Yellow. *See* Warbler, Eastern Yellow
- Warbler, Yellow Palm  
 Measurements of, v. 60-61
- Waterfowl, American: Their Present Situation and the Outlook for Their Future (rev.), ii. 40

- Waterfowl flyways of North America (rev.), vi. 72
- Water-Hen, bandings and returns of, in Japan, iii. 2
- Water-Thrush, Northern  
External parasites collected from, iv. 73  
Measurements and weights of, iv. 53, v. 60-61
- Waxwing, Bohemian, European invasion of, i. 90, iv. 163
- Waxwing, Cedar  
Measurements and weights of, iv. 53, v. 58-59  
Recovery of, iv. 158
- WEEKS, E. C.  
A Chipping Sparrow Recovery, ii. 82  
An Old Song Sparrow, iii. 119  
A Beginning in a Territorial Study of the Eastern Robin, vi. 104
- WELLER, THOMAS H.  
A Twelve-year-old Blue Jay Recaptured, vi. 35
- WELTER, W. A.  
The Natural History of the Long-billed Marsh Wren (rev.), vi. 111
- WENDLAND, V.  
Counts of Nesting Raptors in Northern Germany (rev.), v. 199
- Western Bird-Banding Association, i. 46, 49
- WETHERBEE, MRS. KENNETH B., i. 133  
White-throated Sparrow Bandings and Repeats, iii. 68  
Two Pairs of Tree Swallows Mated during Two Successive Seasons, iii. 72  
Nesting Bluebirds Successful in Spite of Protocalliphora, iii. 73-74  
Some Complicated Bluebird Family History, iv. 114  
Three Tree Swallows Feed a Family of Nestlings, iv. 116  
A Pair of Tree Swallows Attempt to Raise Two Families in One Season, iv. 160  
A Chickadee Changes Color of Tail, iv. 160  
Eastern Bluebirds in Juvenal Plumage Feed Young of Second Brood, iv. 199  
Some Measurements and Weights of Live Birds, v. 55-64  
A Singing Female Song Sparrow, vi. 32
- WEYDEMEYER, WINTON  
Efficiency of the Nesting of the Tree Swallow (rev.), vi. 143
- WHARTON, WILLIAM P., i. 130, 169, 172, 173, ii. 77, iii. 108, iv. 70, v. 184
- WHARTON, WILLIAM P. (con.)  
A White-throated Sparrow Return-4W, i. 84  
A Sparrow Hawk Recovery, i. 141  
Parasites on Birds Taken at Summerville, S. C., ii. 34  
Foot Disease in Birds at Summerville, S. C., ii. 35  
Wing Injury, ii. 36  
Variation in Towhee Irises and Rectrices, ii. 37  
Returns of Wintering Birds to Summerville, S. C., ii. 116  
A Towhee Recovery, ii. 185  
A Cape Cod White-throated Sparrow Recovered in South Carolina, ii. 185  
New Returning Species, ii. 186  
A Chipping Sparrow Recovery, ii. 189  
A Correction, ii. 189  
A Mockingbird Recovery, iii. 118  
Banding at Groton, Mass., 1929-31, iv. 100-109  
Trapped Recoveries of White-throated and Vesper Sparrows in South Carolina, iv. 159  
A Black-throated Green Warbler Recovery, v. 135  
Survival as Indicated by Returns to Summerville, S. C., vi. 125-130
- Whip-poor-will, Eastern, measurements and weight of, v. 58-59
- WHITE, FRANCIS B., i. 134  
Winter Banding at Concord, N. H., iii. 113  
Winter Banding at Concord, N. H., 1932-33, iv. 159  
An Eastern Fox Sparrow Return and Seven Recoveries, v. 91  
Winter Banding at Concord, N. H., 1933-34, v. 190  
Returns of Black-capped Chickadee, Brown Creeper, and Tree Sparrow, vi. 136
- White-throat, Lesser  
Incubation rhythm in, v. 201  
Physiological experiments with, vi. 38
- WHITTLE, CHARLES L., i. 59, 78, 81, 130, 135, 157, 158, 168, 171, 186, iv. 70, v. 183, vi. 4  
Returning Western Birds, i. 46  
Remarkable Returns, i. 47  
A Song Sparrow Return and Recovery, i. 83  
A Wood Thrush Return-1S, i. 83  
An Old White-breasted Nuthatch, i. 83  
Wood Thrush Returns-S, i. 142  
Two White-throated Sparrow Recoveries, i. 142

- WHITTLE, CHARLES L. (*con.*)  
 Tree Sparrow Returns-W during the Season of 1929-30, i. 143  
 A Song Sparrow Return-3S, i. 144  
 A Danvers, Mass., Chipping Sparrow Recovered in Iowa, i. 188  
 Westfield, Mass., Tree Sparrow Returns-W, i. 188  
 Yellow Warbler and Redstart Returns in Wolfville, N. S., i. 190  
 Examine Birds Killed by Automobiles, i. 190  
 Purple Martin and Chimney Swift Returns, i. 191  
 Additional Live Bird Weights, i. 192  
 Our Cover Design, ii. 39  
 Unusual Peterboro, N. H., Purple Finch Returns, ii. 80  
 Moulting of Adult Female Purple Finches, ii. 83  
 Interesting Record of a Banded European Goldfinch, ii. 85  
 New Fairfield, Conn., Tree Sparrow Returns-W, ii. 126  
 Fox Sparrow Recoveries and Returns, ii. 127  
 A Second Red-winged Blackbird Return-S, ii. 185  
 Rose-breasted Grosbeak Returns, ii. 187  
 A Third Red-winged Blackbird Return-S, iii. 32  
 Additional History of White-breasted Nuthatch No. 56530, iii. 34  
 A Device for Applying Celluloid Bands, iii. 35  
 The Roseate Tern, a New Recorded Species from Newfoundland, iii. 75  
 Are Nesting Territories Always Available for Returning Juvenile Song Sparrows?, iii. 106  
 Juvenile Eastern Song Sparrow Returns to Birthplace, iii. 179  
 Color Variability of the Rump Plumage of the Purple Finch, iv. 161-162  
 Additional Plumage-Color Change of an Eastern Purple Finch, B69309, v. 194  
 Reviews by, i. 86, ii. 133-134, iii. 181-182, iv. 211
- WHITTLE, HELEN GRANGER, i. 130, 135, ii. 65, 70, 71  
 A Six-Year-Old "Sight"-Return Rose-breasted Grosbeak, ii. 185  
 Widgeon, European  
 Migration and distribution of, v. 51  
 Recoveries of, ii. 43, 126, v. 51
- WILCOX, LEROY  
 A Northern Shrike Repeat, i. 143
- WILCOX, LEROY  
 Osprey Notes, iii. 119  
 Willet, breeding of, on Cobb Island, iii. 15-22
- WILLIAMS, H. S.  
 Nest-Building—New Style (rev.), vi. 75  
*Wilsonia canadensis*. See Warbler, Canada  
*Wilsonia citrina*. See Warbler, Hooded
- WING, LEONARD W.  
 A New Trigger for Traps, iii. 71  
 Migration and Solar Cycles (rev.), vi. 38
- WINTERBOTTOM, J. M.  
 Bird Population Studies: A Preliminary Analysis of the Gold Coast Avifauna (rev.), v. 200
- WITHERBY, H. F.  
 Birds Ringed in Iceland and Recovered in the British Islands (rev.), ii. 43  
 The "British Birds" Marking Scheme (rev.), ii. 87  
 Recovery of Marked Birds (rev.), v. 49
- WITHERBY, H. F., and LEACH, E. P.  
 Movements of Ringed Birds from Abroad to the British Islands and from the British Islands Abroad (rev.), iii. 121-122
- WITMER, S. W.  
 Three White-crowned Sparrow Recoveries, ii. 39
- WITSCHI, E., and KECK, W. N.  
 Differential Effect of Some Gonadotropic Substances on Development of Cyclical Sex Characters in the English Sparrow (rev.), vi. 112
- WOOD, HAROLD B.  
 A Bee-eating Catbird, i. 43  
 Experiments in Transporting Birds, ii. 79  
 Banding Notes on Black-crowned Night Herons, Bank Swallows, Eastern Robins, and Song Sparrows, vi. 106
- WOOD, MERRILL  
 Queer Albinism in a Purple Grackle, iii. 179
- Woodcock, European  
 Age records, ii. 43, 191, vi. 38  
 Migration of, i. 195-196  
 Recoveries of, v. 91
- Woodpecker, Eastern Hairy  
 Mating of, iv. 204  
 Return of, iii. 113
- Woodpecker, Great Spotted  
 Invasion of, at Helgoland, in 1929, i. 148, ii. 43  
 Invasion of, in upper Italy, in 1931, iii. 120

- Woodpecker, Northern Downy  
 Age records, i. 142, vi. 36  
 External parasites collected from,  
 iv. 71  
 Inbreeding of, iii. 69-70  
 Mating of, vi. 135-136  
 Measurements of, v. 58-59, 62  
 Parasites in nest of, iii. 28-29  
 Voice of, iii. 70  
 Weights, i. 192, v. 59  
 Woodpecker, Red-bellied, age record,  
 iv. 56  
 Woodpecker, Red-headed, age record,  
 vi. 142  
 WOOLMAN, E., photographs by, ii.  
 55, 57  
 WOROBIEW, K. A.  
 The Bird-Preserve of the Volga Delta  
 (rev.), v. 96  
 Wren, Banded Cactus, nesting habits  
 of, vi. 143  
 Wren, Carolina  
 External parasites collected from,  
 iv. 72  
 Methods of capturing, i. 81, 82  
 Wren, Eastern House  
 Body temperatures of, iv. 116-117  
 External parasites collected from,  
 iv. 71  
 Mating, i. 70, 71  
 Measurements and weights of, v.  
 58-59, 62  
 Methods of capturing, i. 81  
 Protocalliphora in nest of, iii. 27  
 Recoveries of, v. 47  
 Returns, i. 141, iii. 35, iv. 102, v. 152  
 Use of celluloid bands on, i. 158  
 Wren, Eastern Winter  
 Methods of capturing, i. 81  
 Weights of, iv. 52  
 Wren, House. *See* Wren, Eastern  
 House  
 Wren, Long-billed Marsh  
 Incubation period of, vi. 111-112  
 Territory in, vi. 111  
 Wren, Prairie Marsh. *See* Wren, Long-  
 billed Marsh  
 Wren, St. Kilda, numbers, territory  
 and food-habits of, vi. 73  
 Wren, Winter. *See* Wren, Eastern  
 Winter  
 Wren-Tit, Gambel's, age records, v.  
 52, 200
- WYNNE-EDWARDS, V. C.  
 Distribution and Habits of Birds on  
 the North Atlantic (rev.), vi. 79
- XAVER, FRANZ  
 Bird Children of the Waika Reefs  
 (rev.), v. 145-146
- YEATES, G. K.  
 Life of the Rook (rev.), vi. 44
- YEATTER, R. A.  
 The Hungarian Partridge in the  
 Great Lakes Region (rev.), vi. 111  
 Yellowhammer (*Emberiza citronella*),  
 age records of, iv. 117  
 Yellow-legs, Greater, bandings of, on  
 Cape Cod, v. 37, vi. 22  
 Yellow-legs, Lesser  
 Bandings of, on Cape Cod, v. 37,  
 vi. 22  
 Recovery of, vi. 22  
 Yellow-throat, Maryland, return of,  
 vi. 69  
 Yellow-throat, Northern  
 Banding of, near Canton, Ohio,  
 vi. 88  
 Brooding and rate of feeding of, iii.  
 165-166  
 External parasites collected from,  
 iv. 73  
 Measurements, v. 60-61  
 Sex ratio in, vi. 88  
 Weights, i. 193, v. 61
- Zamelodia ludoviciana*. *See* Grosbeak,  
 Rose-breasted  
*Zenaidura macroura carolinensis*. *See*  
 Dove, Eastern Mourning  
*Zonotrichia albicollis*. *See* Sparrow,  
 White-throated  
*Zonotrichia coronata*. *See* Sparrow,  
 Golden-crowned  
*Zonotrichia leucophrys gambeli*. *See*  
 Sparrow, Gambel's  
*Zonotrichia leucophrys leucophrys*. *See*  
 Sparrow, White-crowned  
*Zonotrichia leucophrys pugetensis*. *See*  
 Sparrow, Puget Sound White-  
 crowned  
*Zonotrichia querula*. *See* Sparrow,  
 Harris's  
*Zonotrichiæ*, the spring molt in, i. 49