

BIRD-BANDING

INDEX TO VOLUMES VII-XI

1936-1940

PREPARED BY

MAURICE BROUN

AND

W. A. STEVENS

PUBLISHED BY

THE NORTHEASTERN BIRD-BANDING ASSOCIATION

WITH THE ASSISTANCE OF

THE EASTERN BIRD-BANDING ASSOCIATION

AND

THE INLAND BIRD-BANDING ASSOCIATION

210 SOUTH STREET, BOSTON, MASS.

1946

BIRD-BANDING

INDEX TO VOLUMES VII, VIII, IX, X, XI

1936-1940

Articles are listed under the common names but scientific names are given with references to common names. In general, subspecies are omitted. In addition to author and species, entries are made under such subjects as: age, apparatus, bands, behavior, books, census, climate, coloration, cover, diseases, distribution, eggs, flight, food, homing, incubation, migration, moult, nesting, orientation, parasites, photography, population, predators, recoveries and returns of banded birds, sex glands, sex ratios, sociology, temperature, territory, traps, weather, weight and wild life.

Except in formal titles, the following abbreviations are used in addition to those customary for geographical areas:

agr.—agriculture
dist.—distribution
esp.—especially
exp.—experiment(s)
hist.—history
infl.—influence
mgt.—management
migr.—migration
obs.—observation(s)

pop.—population
rec.—record(s)
recov.—recovery
rel.—relation
repr.—reproduction
rev.—review
terr.—territory
var.—variation

- Abnormalities in birds (rev.), vii. 131
Acanthis hornemanni exilipes. See Redpoll, Hoary
Acanthis linaria. See Redpoll
Accipiter atricapillus striatus. See Goshawk, Western
Accipiter cooperi. See Hawk, Cooper's
Accipiter gentilis. See Goshawk, European
Accipiter nisus. See Hawk, Sparrow
Accipiter velox. See Hawk, Sharp-shinned
Acrocephalus arundinaceus. See Warbler, Great Reed
Acrocephalus palustris. See Warbler, Marsh
Acrocephalus scirpaceus. See Warbler, Reed
Actitis macularia. See Sandpiper, Spotted
ADDICOTT, ALICE BALDWIN
Behavior of Bush-tit in breeding season (rev.), ix. 162
Ægithalos caudatus. See Titmouse, Long-tailed
Aëronautes saxatilis. See Swift, White-throated
African Birds
Behavior of cuckoos (rev.), xi. 67
Bishop Birds (rev.), x. 97
East Africa (rev.), x. 128
Incubation and fledgling periods (rev.), xi. 177
Nigerian Rallidae (rev.), xi. 66
Nyasa, Rhodesia (rev.), x. 141
Water birds of the Kivu (rev.), x. 55
Agapornis ssp. (rev.), ix. 107

Age Records

- Black-headed Gull (rev.), xi. 65
 Brown Trasher, x. 42
 Carolina Wren (rev.), xi. 25
 Catbird, xi. 21
 Evening Grosbeak, x. 161 (rev.);
 x. 165
 Flicker (rev.), x. 165
 Herring Gull, xi. 132, 144
 Indigo Bunting, x. 42
 Purple Finch, x. 165; xi. 110
 Raptorial birds (rev.), xi. 63
 Slate-colored Junco, x. 161 (rev.);
 xi. 25
 Song Sparrow, x. 42, 124
 Various spp. (rev.), x. 165
- Agelaius phoeniceus*. See Red-wing
Agelaius tricolor. See Red-wing, Tri-
 color
- AHLQUIST, H.
 Reverse migration as result of un-
 favorable weather (rev.), x. 92
 See also Palmgren, P.
- Aimophila aestivalis aestivalis*. See
 Sparrow, Pine-woods
- Aimophila aestivalis bachmani*. See
 Sparrow, Bachman's
- AINSLIE, J. A., co-author
 Breeding habits of Leach's Fork-
 tailed Petrel (rev.), viii. 87
- Aix sponsa*. See Duck, Wood
- Ajaia ajaja*. See Spoonbill, Roseate
- Alaska, Returns of Golden-crowned
 and Fox Sparrows, x. 85
- Alauda arvensis*. See Sky-Lark
- Albatross, Laysan, recovery, ix. 184
- Alcedo atthis ispida*. See Kingfisher,
 European
- ALDOUS, C. M.
 Woodcock management (Me.) (rev.),
 xi. 27
- ALDRICH, J. M.
 Winter bird populations of the
 Cleveland region (Ohio) (rev.),
 x. 141
- Alectura lathamii*. See Brush-Turkey
- ALEXANDER, H. G.
 Chart of bird song (rev.), vii. 94
- ALEXANDER, W. B.
 Homing experiments with wild birds
 (rev.), x. 92
- ALLARD, H. A.
 Starling behavior (rev.), xi. 69
- ALLARD, HARRY C.
 Activity of Screech Owl (rev.),
 viii. 183
- Alle alle. See Dovekie
- ALLEE, W. C.
 Studies of group behavior in birds
 (rev.), viii. 39
 The social life of animals (rev.),
 ix. 217
- ALLEE, W. C. and N. COLLIAS
 Influence of injected male hormone
 on the social hierarchy in small
 flocks of hens (rev.), x. 173
- ALLEE, W. C., N. E. COLLIAS and
 C. Z. LUTHERMAN
 Modification of social order in flocks
 of hens by injection of testosterone
 proportionate (rev.), xi. 33
- ALLEE, W. C. and KARL P. SCHMIDT
 Ecological animal geography (rev.),
 viii. 189
- Allegheny State Park, bird list (rev.),
 x. 98
- ALLEN, A. A., co-author
 Observations of Ivory-billed Wood-
 pecker (rev.), viii. 131
- ALLEN, GLOVER et al.
 Hurricane aftermath (rev.), x. 128
- ALLEN, ROBERT P.
 Black-crowned Night Heron colonies
 on Long Island (rev.), x. 53
 Gull Survey Plans for 1938, ix. 155-
 157
 Report of the Field Work Committee
 1937-38 (rev.), x. 53
 Report on Coöperative Herring Gull
 project, viii. 173
- ALLEN, R. P. and J. J. HICKEY
 Progress report on the cooperative
 gull survey, xi. 17-20
- Alopochen aegyptiaca*. See Goose,
 Egyptian
- ALSTON, MADELINE
 Wanderings of a Bird-Lover in Africa
 (rev.), ix. 65
- Ammodramus bairdi*. See Sparrow,
 Baird's
- Ammodramus savannarus australis*.
 See Sparrow, Eastern Grasshopper
- Ammospiza caudacuta*. See Sparrow,
 Sharp-tailed
- Ammospiza maritima*. See Sparrow,
 Seaside
- Anas platyrhynchos*. See Mallard,
 Common
- Anas rubripes tristis*. See Duck, Com-
 mon Black
- Anhinga anhinga*. See Water-Turkey
- Ani, Smooth-billed, social nesting (rev.),
 xi. 117
- Animal populations, Report (rev.),
 x. 140

ANONYMOUS

- Ann. Rept., 1937-1938 Bur. Animal Population (Gr. Br.) (rev.), x, 140
 Banding in North America, 1939 (rev.), xi, 24
 Bird-Banding Notes, 1938 (rev.), x, 43
 The Isle of May, Bird Observatory, autumn report, 1937 (rev.), x, 44
 Soil Conservation. Wildlife Issue (rev.), x, 176
 Soils and Men (rev.), x, 58
 Anous stolidus. *See* Tern, Noddy
 Anthus pratensis. *See* Pipit, Meadow
 Antrostomus carolinensis. *See* Chuck-will's-widow
 Aphelocoma californica. *See* Jay, California
 Apparatus for measuring metabolism in wild animals (rev.), xi, 74
 Apus apus. *See* Swift, European
 Aquila chrysaetos canadensis. *See* Eagle, Golden
 Aramus pictus. *See* Limpkin
 Archilochus alexandri. *See* Hummingbird, Black-chinned
 Archilochus colubris. *See* Hummingbird, Ruby-throated
 Ardea cinerea. *See* Heron, Gray
 Ardea herodias. *See* Heron, Great Blue
 Ardea purpurea. *See* Heron, Purple
 Ardeola ralloides. *See* Heron, Squacco
 Arenaria interpres. *See* Turnstone
 ARMITAGE, JOHN
 Notes on the Corsican Citril Finch (rev.), ix, 61
 ARNDT, W.
 Counting in birds (rev.), xi, 121
 ARNOLD, E. C.
 Bird reserves (Gr. Br.) (rev.), xi, 124
 ARNOLD, E. L. and P. I. R. MACLAREN
 Notes on White-tailed Eagle in N. W. Iceland (rev.), xi, 176
 Asio flammeus. *See* Owl, Short-eared
 Asio wilsonianus. *See* Owl, Long-eared
 Astur atricapillus. *See* Goshawk, Eastern
 Athene noctua. *See* Owl, Little
 Auditory responses (rev.), x, 139
 AUDUBON, JOHN JAMES
 Birds of America (rev.), ix, 64
 AUSTIN, OLIVER L.
 Results from adult tern trapping on Cape Cod, ix, 12-25
 Some aspects of individual distribution in the Cape Cod Tern Colonies, xi, 155-169
 Yellow Warbler return, viii, 176

Australia

- Birds of Reevesby Island (rev.), x, 51
 Cormorant (rev.), x, 100
 Fork-tailed Swift (rev.), x, 51
 Automobile, destruction of life (rev.), x, 169
 Avocet
 External parasites from, vii, 16
 Territorial studies, vii, 3, 180
 Young adopted by Common Terns, ix, 115
 AXTELL, HAROLD H.
 Song of Kirtland's Warbler (rev.), ix, 214
 AYMAR, GORDON
 Bird Flight (rev.), vii, 95
 Bæolophus bicolor. *See* Titmouse, Tufted
 Bæolophus inornatus. *See* Titmouse, Plain
 BÄSECKE, KURT
 Observations on the Tree-Creeper (rev.), ix, 108
 BAGG, AARON, co-author
 Birds of the Connecticut Valley in Massachusetts (rev.), ix, 64
 BAILEY, A. M. and ROBERT J. NIEDRACH
 Chestnut-collared Longspur in Colorado (rev.), x, 98
 BAKER, J. R.
 Relation between latitude and breeding seasons (rev.), x, 174
 BAKER, J. R. and R. M. RANSOM
 Breeding seasons of southern hemisphere birds in the northern hemisphere (rev.), x, 174
 BAKER, MAURICE F., co-author
 Wintering of Northern Flicker in Central Iowa, vii, 114-117
 BAKER, ROLLIN H.
 Crow depredation in heron colonies (rev.), xi, 177
 Baldpate
 External parasites from, vii, 12
 Recoveries, ix, 185
 BALDWIN, S. PRENTISS, co-author
 Weights of birds (rev.), ix, 207
 Banding Reports
 Belgium (rev.), xi, 63, 175
 Czechoslovakia (rev.), x, 44; xi, 63
 France (rev.), x, 127
 Goteberg (rev.), x, 91; xi, 63
 Great Britain (rev.), x, 127; x, 112
 Isle of May (rev.), x, 44
 N. Am. for 1938 (rev.), x, 43-44; for 1939 (rev.), xi, 24; 1934-39, xi, 169
 Bands, sizes (hawks), x, 41-42

- BANNERMAN, D. A.**
Migration in the Mediterranean (rev.), x. 163
- BARNES, J. A. S.**
Fecundity of Blue Tit and Tawny Owl in relation to age (rev.), xi. 65
- Bartramia longicauda.** See Plover, Upland
- BATEZEL, WALTER R.**
Age record for Song Sparrow, x. 124
Results of Catbird banding in Camden, N. J., x. 124
Southernmost recovery of banded Evening Grosbeak, x. 124
- BATRAWI, A. M.** See Rowan, William
- BAUMGARTNER, A. M.**
Seasonal variation in Tree Sparrow (rev.), x. 49
- BAUMGARTNER, A. MARGUERITE.** See also Heydweiller, A. M.
Enemies and survival ratio of Tree Sparrow, viii. 45-51
Feather marking Tree Sparrows for Territory studies, ix. 124-135
Food and feeding habits of Tree Sparrow (rev.), viii. 182
Nesting habits of Tree Sparrow at Churchill, Manitoba, viii. 99-108
Study of young Tree Sparrows at Churchill, Manitoba, ix. 69-79
- BAUMGARTNER, F. M.**
Courtship and nesting of Great Horned Owl (rev.), x. 95
Territory and population in Great Horned Owl (rev.), x. 168
- BAXTER, EVELYN V.,** co-author
Immigration of Waxwings in Spring, 1937 (rev.), viii. 186
- BEADEL, H. L.**
Hawks vs. Quail on preserves (rev.), x. 103
- BEALS, MARIE V.**
An improved drop trap mechanism, x. 157-159
Ten years banding at Birdwood (N. Y.), x. 1-15
- Behavior, general, x. 99; xi. 70
In short nights (rev.), x. 51
Belgium, banding in (rev.), xi. 63, 175
- BENE, FRANK**
Rhythm in nest routine of Black-chinned Hummingbird (rev.), xi. 178
- BENNETT, B. L.** See Tyzzer, E. E.
- BENNETT, H. H.**
Wild life and erosion control (rev.), vii. 135
- BENNETT, LOGAN J.**
Blue-winged Teal. Its Ecology and Management (rev.), ix. 170
- BENNETT, LOGAN J. and GEORGE O. HENDRICKSON**
Adaptability of birds to changed environments (rev.), x. 101
Censusing quail in early fall (rev.), x. 102
Censusing Ringneck Pheasant in Iowa (rev.), x. 102
- BENNETT, MARY A.**
Social hierarchy in Ring Doves—Effect of treatment with testosterone propionate (rev.), xi. 179
- BENNITT, RUDOLF,** co-author
Survey of Game and Furbearers of Missouri (rev.), viii. 188
- BENT, ARTHUR CLEVELAND**
Cuckoos, goatsuckers, hummingbirds and their allies (rev.), xi. 181
Letter concerning Life Histories of North American Birds, vii. 50-51
Life Histories of North American woodpeckers (rev.), x. 177
Reviews of Life Histories, viii. 189; ix. 218
- BEQUAERT, J.**
Hippoboscids flies from North American doves (rev.), x. 177
- BERGMAN, G.**
Investigations on nesting birds among the islands west of Helsingfors (rev.), x. 166
- BERGMAN, STEN**
Feeding of a family of Gold-Crests (rev.), ix. 162
Feeding of a family of Pied Flycatchers (rev.), ix. 162
- BERNARD, RICHARD,** co-author
Willow Ptarmigan at Quebec Zoological Gardens (rev.), ix. 63
- BERNDT, RUDOLPH**
Observations on second brood of Starling in Brunswick (rev.), x. 134
- BERNDT, R. and F. FRIELING**
Studies on hole-nesters in a park in Northwest Saxony (rev.), xi. 74
- BERNEY, F. L.**
Bustard in Queensland (rev.), viii. 37
- BERRY, JOHN**
Status and distribution of wild geese and ducks in Scotland (rev.), xi. 123
- BEULE, J. D.** See Norris, R. T.
- BEYER, L. K.**
Nest life of Bank Swallow (rev.) ix. 210
Bibliography of birds (rev.), xi. 75
- BILLS, W. E.** See Trautman, M. B.
- Bio-Ecology, Book on (rev.), xi. 75
- Bird bands, proposed change in the inscription on, vii. 51

- Bird-banding in Belgium, viii. 35; ix. 104
 Czecho-Slovakia, viii. 36
 France, ix. 203
 Germany, vii. 130; ix. 203
 Great Britain, vii. 130; viii. 128
 Holland, vii. 52
 Hungary, vii. 88
 North America, vii. 130; viii. 35; ix. 103
 Poland, ix. 104
 Sweden, vii. 89, 174; ix. 104
 Switzerland, vii. 51, 173; ix. 104, 203
 Bird flight (rev.), vii. 95
 Bird of Paradise, display (rev.), x. 50
 Bird song, deterioration of, in cities (rev.), vii. 94
 Birds of prey, recoveries, vii. 38-45
 Bishop Bird, ecology (rev.), x. 97
 Bishop-bird, territory and polygamy (rev.), vii. 137
 BISSONNETTE, THOMAS HUME, co-author
 Fertile eggs from Pheasants in January by night-lighting, vii. 108-111
 Night-lighting with Quail, vii. 168-169
 Photoperiodicity in birds (rev.), ix. 113
 Sexual photoperiodicity (rev.), viii. 42, 96
 Sexual photoperiodicity in Blue Jay (rev.), xi. 74
 Bittern, American
 External parasites from, vii. 11
 Recoveries, ix. 85
 Bittern, Eastern Least
 External parasites from, vii. 11
 BLACK, C. T.
 Banding nestling crows, x. 89
 Blackbird, Brewer's
 Age, viii. 62
 Territory, ix. 215
 Blackbird, European
 Age-ratios and sex-ratios, vii. 52
 Banding in Silesia (rev.), xi. 113
 Behavior, viii. 184
 Gaping movements (rev.), x. 174
 Homing experiment, vii. 52
 Longevity, viii. 87
 Migration, ix. 20
 Recoveries, ix. 159
 Vocal activity at roost (rev.), x. 172
 Weights, ix. 10
 Blackbird, Rusty
 Age, viii. 62
 External parasites from, vii. 24
 Blackbird, Yellow-headed
 Recovery, vii. 170
 Territory and polygamy, ix. 215
 Blackcap
 Recovery, vii. 90
 Song deterioration of, vii. 94
 Blackcock, display (rev.), xi. 32
 BLAINE, GILBERT
 Falconry (rev.), viii. 97
 BLAKE, C. H.
 The flight of Hummingbirds (rev.), x. 168
 BLANCHAN, NELTJE
 The Bird Book (rev.), vii. 59
 BLANCHARD, BARBARA D.
 Continuity of behavior in the Nuttall White-crowned Sparrow (rev.), vii. 179
 BLANCHET, MAURICE, co-author
 Nesting of the Snake Eagle (rev.), ix. 160
 BLETCHLY, J. D.
 Observations on the breeding habits of birds (rev.), ix. 212
 BLOCKEY, R.
 Experiments with storks (rev.), x. 165
 Bluebird, Eastern
 External parasites from, vii. 22; viii. 163
 Nesting in Tree Swallow colony, x. 70
 Nesting studies, viii. 25-30; ix. 211
 Nesting studies (Tenn.), x. 23-32; (Ill.), x. 33-35
 Parasitism of nests and young, vii. 112
 Bluebird, Mountain
 Return, viii. 153
 Blue Jay
 Returns, x. 11
 Sexual photoperiodicity, xi. 74
 Bob-white, Eastern
 Ability to withstand cold and hunger (rev.), x. 139
 External parasites from, vii. 14
 Food in Wis. (rev.), x. 140
 Night-lighting experiments, vii. 168-169
 Weights, ix. 4-9
 Winter territory (rev.), vii. 181
 Bob-white, Mexican
 Shipping into the United States (rev.), ix. 115
 BODENHEIMER, F. S.
 Animal life in Palestine (rev.), vii. 97
 BOGGS, MARION A.
 Age records of the Brown Thrasher, Eastern Song Sparrow and Indigo Bunting, at Waynesville, North Carolina, x. 42
 Two White-throated Sparrow returns, vii. 47
 BOGLE, M. E.
 Bob-white history (rev.), ix. 115

- Bombycilla cedrorum*. See Waxwing, Cedar
- Bombycilla garrula*. See Waxwing Bohemian
- Bonasa umbellus*. See Grouse, Ruffed
- BOND, JOHN WALPOLE
With sea birds in the Scillies (rev.), viii. 179
- BOND, RICHARD M.
Observations on raptorial birds in the Lava-beds—Tule Lake region of northern California (rev.), x. 130
- Books on Birds
(Priestly) (rev.), x. 58
(Peterson), x. 142
(Pickwell) (rev.), x. 142
General (rev.), x. 106, 177; xi. 35, 36, 76, 181
- Botaurus lentiginosus*. See Bittern, American
- BOUET, G.
Reserches on White Storks of North Africa (rev.), ix. 160
- BOUGHTON, D. C.
Avian coccidiosis (rev.), ix. 66, 219
- BOUGHTON, D. C., co-author
Avian hosts of Eimerian coccidia, ix. 139-153
- BOURDELLE, E.
Bird-banding research in France (rev.), ix. 203
- BOURDELLE, E. and E. DECHAMBRE
Banding at the ornithological station at Paris (rev.), x. 127
- BOWDISH, B. S.
Chickadee movements at Demarest, N. J., ix. 159
- BOYD, A. W.
Reports on marked swallows within the British Isles (rev.), viii. 37, 85
- BRADBURY, H. M.
Effect of mosquito control operations in Massachusetts on shore birds and waterfowl (rev.), ix. 215
- Brambling, variation in weight (rev.), xi. 114
- BRAND, ALBERT R.
More Songs of Wild Birds (rev.), viii. 42
Vibration frequencies of passerine bird song (rev.), ix. 214
- BRAND, ALBERT R. and PAUL KELLOGG
Auditory responses of Starlings, English Sparrows and domestic pigeons (rev.), x. 139
- BRANDON, T.
Micropus pacificus (rev.), x. 51
- BRANDT, HERBERT
Texas bird adventures (rev.), xi. 124
- Brant, American
External parasites from, vii. 11
Migration, viii. 85
- Branta bernicla hrota*. See Brant, American
- Branta canadensis*. See Goose, Canada
- BRASSARD, J. A., co-author
Willow Ptarmigan at Quebec Zoological Gardens (rev.), ix. 63
- BRAY, ROBERT S.
Wildlife census methods applicable to National Parks and Monuments (rev.), x. 53
- BRECKENBRIDGE, W. J.
Ecological study of Minnesota Marsh Hawks (rev.), vii. 55
- Breeding seasons; of southern hemisphere birds in northern hemisphere (rev.), x. 174
Relation to latitude (rev.), x. 174
- BRENCKLE, J. F.
Burrowing Owl and dust storms (rev.), vii. 134
Intelligence of the House Sparrow, vii. 84-85
Migration of the Western Burrowing Owl, vii. 166-167
Warbling Vireo returns and repeats, vii. 86
- BREWSTER, WILLIAM
Birds of Lake of Umbagog region of Maine, part 3 (part 4 by Ludlow Griscom) (rev.), x. 57
October Farm (rev.), viii. 96
Concord River (rev.), viii. 187
- BRIDGES, H. C.
Note on nesting of Andulacian Long-tailed Titmouse (Irby's Titmouse) (rev.), x. 96
- BRINKMANN, M.
Swallow broods (Silesia) (rev.), x. 47
- British birds, habitat distr. in woodland (rev.), x. 175
Handbook (rev.), x. 56, 177; xi. 180
- BRODERICK, H. J.
Nesting and re-mating of a pair of bluebirds (rev.), ix. 211
- Broods, large (rev.), x. 49
- BROOKS, ALLAN
Downy young of some nearctic Linnicolines (rev.), xi. 26
Migrations of the Skua family (rev.) x. 123
- BROWN, GEORGE
Aggressive display of birds before a looking-glass (rev.), ix. 61

- BROWN, R. H.**
Breeding habits and feeding frequency of flycatchers (Gr. Br.) (rev.), xi. 68
Breeding habits of the Dunlin (rev.), ix. 209
- BROWN, ROBERT L.**
Egg-breaking habit of Kingfisher (rev.), viii. 38
- BRÜLL, H.,** co-author
Nest life of the Nightjar (rev.), ix. 108
- BRUNNER, E.**
Migration of Swiss Blackbirds (rev.), ix. 204
- Brush-Turkey,** Nesting habits (rev.), viii. 129
- BRUYENS, M. F. M.** *See* Van Dobben, W. H.
- Bubo bubo.** *See* Owl, Eagle
- Bubo virginianus.** *See* Owl, Great Horned
- Bucephala clangula.** *See* Goldeneye
- BUCHAN, J. N. S.,** co-author
The St. Kilda Wren (rev.), vii. 176
- BUDDLE, A. G.**
Notes on breeding habits of Dab-chick (rev.), xi. 65
- Bufflehead,** external parasites from, vii. 12
- BULLIS, K. L.** *See* van Roekel, H.
- Bunting, Indigo**
Age rec., x. 42
Returns, vii. 171
- Bunting, Lapland**
Biology (rev.), xi. 119
- Bunting, Painted**
External parasites from vii. 25
- Bunting, Snow**
Age, viii. 65
Behavior (rev.), xi. 31
External parasites from, vii. 27
Recoveries, ix. 190
Territorial behavior, vii. 3-6
- BURKITT, J. P.**
Young Rooks, their survival and habits (rev.), vii. 132
- BURNS, FRANK L.**
Song Periods of common Pennsylvania birds in comparison with their seasonal reproductive cycles (rev.), ix. 165
- BURR, F.**
Migration of the Common Buzzard in Germany (rev.), vii. 90
- BURT, WM. H.**
Territorial behavior and populations of some small mammals in southern Michigan (rev.), xi. 179
- Bush-Tit**
Behavior, ix. 162
Returns, viii. 151
Territory, vii. 57
- BUSS, IRVING O. and ARTHUR S. HAWKINS**
Upland Plover at Fayville Grove, Wisconsin (rev.), xi. 66
- BUSSMANN, J.**
Biological observations on the development of Barn Owl (rev.), ix. 58
Terragraph at Nest of Hoopoe and Barn Owl (rev.), vii. 93
- Bustard,** Destruction of, in Queensland (rev.), viii. 37
- Buteo borealis.** *See* Hawk, Red-tailed
- Buteo borealis harlani.** *See* Hawk, Harlan's
- Buteo buteo.** *See* Buzzard, Common
- Buteo lagopus s. johannis.** *See* Hawk, American Rough-legged
- Buteo lineatus alleni.** *See* Hawk, Florida Red-shouldered
- Buteo lineatus lineatus.** *See* Hawk, Northern Red-shouldered
- Buteo platypterus.** *See* Hawk, Broad-winged
- Buteo regalis.** *See* Hawk, Ferruginous Rough-legged
- Buteo swainsoni.** *See* Hawk, Swainson's
- BUXTON, E. J. M.**
Breeding of Oyster-catcher (rev.), xi. 66
- Buzzard, Common**
Age, vii. 51, 173
Migration, vii. 90
Return to winter quarters (rev.), xi. 176
Weights, ix. 9
- Buzzard, Honey,** nesting, vii. 133; ix. 209
- Bycanistes cristatus.** *See* Hornbill, East African
- CAHN, A. R.**
Analysis of introducing three exotic game birds into the Tennessee Valley and vicinity (rev.), x. 103
- Calcarius lapponicus.** *See* Longspur, Lapland
- Calcarius ornatus.** *See* Longspur, Chestnut-collared
- Calidris canutus rufus.** *See* Knot, American
- Calidris minuta.** *See* Stint, Little
- Calidris temminckii.** *See* Stint, Temminck's
- Calospiza thoracica.** *See* Tanager, Orange-breasted

- CAMPBELL, J. W.
 Habits of the Rook (rev.), vii. 132
 Canada, book on birds of (rev.), x. 177;
 xi. 77
 Local distr. arctic birds (rev.), xi. 73
 Canary
 Effect of testosterone propionate
 (rev.), xi. 32
 Social hierarchy (rev.), xi. 32
 Canoe Country (rev.), x. 58
 CANTRELL, WILLIAM
 A crippled White-throated Sparrow,
 xi. 111
 Canvas-back, hybridism in, viii. 119
 Capella delicata. *See* Snipe, Wilson's
 Caprimulgus europaeus. *See* Nightjar
 Cardinal
 Age, vii. 91, 176; viii. 62, 87, 128
 External parasites from, vii. 25
 Feeding time, viii. 174
 Pathology, viii. 87
 Returns, ix. 188
 Song of immature female, ix. 165
 Weights, ix. 5
 Carduelis cannabina. *See* Linnet
 Carduelis citrinella corsicana. *See*
 Finch, Corsican Citril
 Carduelis flammea. *See* Redpoll
 Caribbean, sea-bird islands (rev.), x. 93
 Carpodacus erythrinus. *See* Finch,
 Scarlet
 Carpodacus mexicana. *See* Finch,
 House
 Carpodacus purpureus. *See* Finch,
 Purple
 CARTWRIGHT, B. W., co-author
 Baird's Sparrow (rev.), ix. 163
 Casmerodius albus egretta. *See* Egret,
 American
 Cassidix mexicanus major. *See* Grackle,
 Boat-tailed
 Castration, rel. to migr. (rev.), xi. 64
 Catbird
 Age, viii. 60
 Banding in N. J., x. 124
 Constancy in, viii. 88
 External parasites from, vii. 20;
 viii. 162
 Feeding time, viii. 174
 Recovery and returns, ix. 99, 188,
 200; x. 11; xi. 21
 Wandering, vi. 86-7
 Weights, ix. 9
 Catharacta skua. *See* Skua, Great
 Cathartes aura septentrionalis. *See*
 Vulture, Turkey
 CATHELIN, F.
 Enigma of the Cuckoo (rev.), vii. 92
 Catoptrophorus semipalmatus. *See*
 Willet
 Cats, on farm, x. 42-43
 Census
 Breeding bird (Bird Lore) (rev.),
 x. 102; xi. 34
 Methods (rev.), x. 53
 Ohio (rev.), x. 141
 Quail (rev.), x. 102
 Pheasant (rev.), x. 102
 Rhodesia (rev.), x. 141
 St. Kilda (rev.), xi. 179
 Winter birds (rev.), x. 102
 Centrocercus urophasianus. *See* Grouse,
 Sage
 Centurus carolinus. *See* Woodpecker,
 Red-bellied
 Ceophloeus pileatus abieticola. *See*
 Woodpecker, Northern Pileated
 ČERNÝ, WALTER
 How long do Black-headed Gulls
 live? (rev.), xi. 65
 Certhia familiaris. *See* Creeper, Brown
 Chætura pelagica. *See* Swift, Chimney
 CHAFFER, NORMAN
 Courting of the Bosun Birds (rev.),
 viii. 38
 Chaffinch
 Age and sex-ratios, vii. 52
 Homing experiments, vii. 53
 Life history, viii. 182
 Mating three times (rev.), xi. 29
 Obs. (rev.), x. 48
 Polygamy, vii. 55
 Recoveries, ix. 159
 Sex proportions (rev.), x. 98
 Var. in calls (rev.), xi. 71
 Weight, ix. 10
 Chamæa fasciata. *See* Wren-Tit
 CHANCE, EDGAR P.
 The Cuckoo (Cuculus canorus) (rev.),
 x. 132
 CHAPMAN, FRANK M.
 Courtship of Gould's Manakin (rev.),
 vii. 57
 Life in an Aircastle (rev.), x. 106
 CHAPMAN, LAWRENCE B.
 Studies of a Tree Swallow colony,
 x. 61-72
 CHAPMAN, W. M. M.
 The bird population of an Oxford-
 shire farm (rev.), xi. 122
 CHAPPELIER, A.
 Banding at the ornithological station
 at Versailles (rev.), x. 127
 Charadrius dubius curonicus. *See*
 Plover, Little Ringed
 Charadrius hiaticula. *See* Plover,
 Ringed
 Charadrius melodus. *See* Plover,
 Piping

- Charadrius nivosus tenuirostris*. See Plover, Cuban Snowy
Charadrius semipalmatus. See Plover, Semipalmated
Charitonetta albeola. See Buffle-head
 CHARTERIS, GUY
 Fecundity of Blue Tits in relation to age (rev.), xi, 28
 Proportion of sexes in roosting Chaffinches (rev.), x, 98
 Chat, Yellow-breasted, external parasites from, vii, 23, 46
Chaulelasmus streperus. See Gadwall
Chauna torquata. See Screamer
Chen caerulescens. See Goose, Blue
Chen hyperborea. See Goose, Snow
 CHESSER, S. S.
 A week in the Highlands (rev.), x, 45
 Chickadee, Acadian, feeding of, viii, 181
 Chickadee, Black-capped
 Age, viii, 59
 Census, viii, 42
 Cyclical changes in population, ix, 201
 External parasites from, vii, 20; viii, 163
 Migratory notes, ix, 159, 202
 Parasitism of nest, vii, 113
 Returns, vii, 172
 Victimized by Cowbird, vii, 129
 Chickadee, Carolina
 External parasites from, vii, 20
 Group habit, ix, 62
 Returns, viii, 150
 Weights, ix, 4
 Chickadee, Chestnut-backed, return, viii, 150
 Chickadee, Hudsonian, return, viii, 150
 Chickadee, Mountain, return, viii, 150; ix, 188
 Chicken, Greater Prairie
 Dance, viii, 131
 External parasites from, vii, 14
 Traps for, ix, 177-183
 Chicken, Lesser Prairie, mortality and sex-ratio of young, vii, 133
 Chiffchaff
 Nesting (rev.), x, 47-48; xi, 118
 Territorial habits, vii, 55, 176
 Weight, vii, 53
 China, birds of western (rev.), x, 128
 Weight of birds and eggs (rev.), x, 165
 CHITTY, D.
 Laboratory study of pellet formation in Short-eared Owl (rev.), x, 175
 CHITTY, HELEN, co-author
 Food of adult partridges in Great Britain (rev.), ix, 111
Chlidonias nigra surinamensis. See Tern, Black
Chloris chloris. See Greenfinch
Chordeiles acutipennis. See Nighthawk, Texas
Chordeiles minor. See Nighthawk
 CHRISTOLEIT, E.
 Courtship of Little Stint (rev.), viii, 38
 Nesting biology of Crane (rev.), x, 168
 Chuck-will's-widow
 External parasites from, vii, 18
 Song time (rev.), xi, 32
Ciconia ciconia. See Stork
Cinclus cinclus aquaticus. See Dipper
Circaëtus ferox gallicus. See Eagle, Snake
Circaëtus gallicus. See Eagle, Short-toed
Circus cyaneus. See Hen-Harrier
Circus hudsonius. See Hawk, Marsh
Circus pygarrus. See Harrier, Montagu's
Cistothorus stellaris. See Wren, Short-billed Marsh
Clangula hyemalis. See Old-squaw
 CLARKE, C. H. D.
 Fluctuations in numbers of Ruffed Grouse (rev.), viii, 41
 Organisms of malarial type in Ruffed Grouse (rev.), ix, 220
 CLARKE, FRANCES E.
 Great wings and small. Bird stories of our day (rev.), xi, 181
 CLARKE, M. K. See van Roekel, H.
 CLEMENS, W. A., co-author
 American Merganser in British Columbia (rev.), ix, 168
 CLEMENTS, FREDERICK E. and VICTOR E. SHELFORD
 Bio-Ecology (rev.), xi, 75
 Climate
 Infl. on size of sets (rev.), x, 139
 Infl. on wing form and egg number (rev.), x, 100
 Rel. to exotic birds (rev.), x, 103
 COATNEY, G. R.
 Check-lists of malaria (rev.), ix, 66
 COATNEY, G. R., co-author
 Blood parasites from Nebraska birds, II (rev.), ix, 220
Coccidia in birds, ix, 139-153, 219
Coccyzus americanus. See Cuckoo, Yellow-billed
 COFFEY, BEN B., JR.
 Chimney Swift migration at Memphis (rev.), viii, 85
 Swift banding at Memphis—sixth season (rev.), ix, 105
Colaptes auratus luteus. See Flicker, Northern
Colinus virginianus. See Bob-white
 COLLIAS, N. See Allee, W. C.

- Coloëus monedula*. See Jackdaw.
 Colonizing, artificial (rev.), x. 164
 Color Banding
 Blue Tit (rev.), xi. 112
 Hérons, xi. 126
 Gulls (Atlantic Coast), xi. 17 (rev.);
 xi. 25, 132
 Gulls (Pacific Coast), x. 38-40
 Color vision in Song Thrush (rev.),
 xi. 32
 Coloration, and predation (rev.), x. 176
 Protective in grasshoppers (rev.), x. 56
 Threat and warnings, x. 99
 COLQUHOUN, M. K.
 Note on song and breeding cycle
 (rev.), xi. 179
 Vocal activity of Blackbirds at a
 winter roost (rev.), x. 172
Columba palumbus. See Pigeon, Wood
Columbigallina passerina. See Dove,
 Ground
Colymbus auritus. See Grebe, Horned
 COMMONS, MARIE ANDREWS
 Log of Tanager Hill (rev.), ix. 217
Compothlypis americana pusilla. See
 Warbler, Northern Parula
 CONDON, H. T.
 Birds of Reevesby Island, Sir Joseph
 Banks group, South Australia
 (rev.), x. 51
 COOKE, MAY THACHER
 Flight speed of birds (rev.), viii. 183
 Longevity records of wild birds, vii.
 52-65
 Notes on speed of migration, xi. 21
 Returns of banded birds, viii. 144-
 155; ix. 80-87, 184-190
 Coot, American
 Defense reaction to Bald Eagle,
 ix. 164
 External parasites from, vii. 15
 Hybridism, viii. 118
 Recoveries, ix. 86
 Studies, ix. 209
 Coot, European
 Age, viii. 128
 Behavior (rev.), xi. 116
 Homing experiment, viii. 36
 Migration speed, viii. 128
 Return to winter quarters (rev.), x. 164
Coragyps atratus. See Vulture, Black
 Cormorant, Double-crested
 Age, viii. 53; ix. 184
 External parasites from, vii. 11
 Home-life and economic status, viii.
 129
 Natural history (rev.), vii. 54
 Nest-building instinct in immature
 (rev.), vii. 136
 Recovery, ix. 184
 Cormorant, European
 Age, vii. 52
 Banding in Quebec, viii. 11-15
 Postures and voice, ix. 213
 Cormorant, Flightless
 Courtship display, viii. 39
 Note (rev.), x. 45
 Cormorant, Florida, external parasites
 from, vii. 11
 Cormorant
 Feeding habits (Austr.) (rev.), x. 100
 Notes (Austr.) (rev.), x. 129
Corthylio calendula. See Kinglet,
 Ruby-crowned
 Corvidae, Behavior (rev.), x. 138
Corvus brachyrhynchus. See Crow
Corvus corax. See Raven
Corvus cornix. See Crow, Hooded
Corvus cryptoleucus. See Raven,
 White-necked
Corvus frugilegus. See Rook
Corvus monedula. See Jackdaw
Corvus ossifragus. See Crow, Fish
Corvus paulus. See Crow, Southern
 COTTAM, CLARENCE
 Food habits of North American
 diving ducks (rev.), x. 177
 Unusual concentration of Blue Jays,
 viii. 79-80
 COTTAM, CLARENCE and PHOEBE
 KNAPPEN
 Food of some uncommon American
 birds (rev.), x. 140
 COTTAM, CLARENCE and F. M. UHLER
 Birds as a factor in controlling insect
 depredations (rev.), xi. 180
 Coturnix coturnix. See Quail, Mi-
 gratory
Coturnix pectoralis. See Quail, Brown
 Counting in birds (rev.), xi. 121
 Courtship feeding (rev.), xi. 120
 Cover, nature of (rev.), xi. 34
 Cowbird
 Age, viii. 62
 Behavior of young (rev.), xi. 70
 Black-capped Chickadee victimized,
 vii. 129
 Egg-laying during migration, vii. 133
 External parasites from, vii. 24; viii.
 127, 162
 Homing instinct, xi. 23
 Kentucky Warblers victimized, ix. 56
 Ovenbirds victimized, ix. 56
 Sex-ratios, viii. 118
 Weights, ix. 5
 COWLES, R. B.
 Observations on the Spot-backed
 Weaver (rev.), vii. 177
 Avian habitats in Thorn-Bush areas
 of Natal (rev.), viii. 91

- CRAIGHEAD, FRANK and JOHN
Hawks in the hand—adventures in
photography and falconry (rev.),
xi. 76
- Crake corn, behavior (rev.), xi. 117
- CRAMP, S., co-author
Rookeries of South Manchester and
District (rev.), viii. 92
- Crane, European, Migration in Hun-
gary (rev.), ix. 105
Nesting biology (Germany) (rev.),
x. 168
- Crane, Florida, resident in Miss. (rev.),
x. 45-46
- Crane, Sandhill, recovery, ix. 86
Study in Wis. (rev.), x. 46
- CRAWFORD, M. P.
The social psychology of vertebrates
(rev.), x. 173
- Creepers, Brown, returns, vii. 172;
viii. 152
- CREUTZ, GERHARD
Biological data from ringing of
Starlings (rev.), x. 170
Inbreeding Barn Swallows (rev.),
xi. 117
Supplement to "Discussion on Swal-
low ringing and its results" (rev.),
xi. 68
- Crex crex. *See* Crake, Corn
- CRIDDLE, STUART
Study of snowshoe rabbit (rev.),
ix. 167
- Crocethia alba. *See* Sanderling
- CROCKETT, H. L., co-author
Tree Nesting Quail (rev.), vii. 135
- Crossbill, Red
Migration of, in relation to cone-crop
(rev.), ix. 56
Monographic study (rev.), viii. 97
Recoveries, viii. 154
- Crotophaga ani. *See* Ani, Smooth-
billed
- Crow, American
Age determination, vii. 131; viii.
35, 59
Banding nestling, x. 89
Behavior, x. 138
Depredation in heron colonies (rev.),
xi. 177
External parasites from, vii. 20
Relation to agriculture (rev.), xi. 63
Relationships with waterfowl, viii.
180
Returns and recoveries, viii. 150
Sex ratio and weight (Okla.) (rev.),
xi. 75
Sex ratios during winter and spring,
vii. 83
- Crow, Fish, external parasites from,
vii. 20
- Crow, Hooded
Migration experiment, viii. 178
Ret. of castrated (rev.), xi. 64
- Crow, Southern, external parasites
from, vii. 20
- CRUIKSHANK, ALLAN D.
Behavior of Corvidae (rev.), x. 138
Injury feigning in Piping Plover
(rev.), x. 137
- Cryptoglaux acadica. *See* Owl, Saw-
whet
- CSECH, ALBERT G., co-author
Fertile eggs from Pheasants in Janu-
ary by night-lighting, vii. 108-111
Night-lighting with Quail, vii. 168-
169
- Cuckoo, European
Book on (rev.), x. 132
Enigma of (rev.), vii. 92
In Reed Warbler nests (rev.), xi. 117
Migration, ix. 204
Note on New Zealand (rev.), xi. 67
- Cuckoo, Yellow-billed
Blood parasites, ix. 220
External parasites from, vii. 18
- Cuckoos, goatsuckers and humming-
birds, life histories (Bent) (rev.),
xi. 181
- Cuckoos, Parasitic, Compilation of In-
formation (rev.), ix. 64
- Cuculus canorus. *See* Cuckoo, Euro-
pean
- Curlew, Common, age, vii. 89
- Curlew, Hudsonian, external parasites
from, vii. 15
- Curlew, Long-billed
External parasites from, vii. 15
Recoveries, vii. 123
- CURTIS, B. *See* Noble, G. K.
- CUSHING, J. E., JR.
Relation of observations upon pre-
dation to theories of protective
coloration (rev.), x. 176
- CUTLER, MRS. FREDERICK MORSE
Tree Sparrow return-5 and late
migration of Slate-colored Junco,
viii. 127
Brown Thrasher returns, viii. 176;
ix. 199
- CUTRIGHT, PAUL R.
The great naturalists explore South
America (rev.), xi. 124
- Cyanocitta cristata. *See* Jay, Blue
- Cyanocitta stelleri. *See* Jay, Steller's
- Cygnus columbianus. *See* Swan,
Whistling
- Cygnus olor. *See* Swan, Mute
- Czechoslovakia, banding (rev.), xi. 63

- Dabchick, breeding habits (N. Z.) (rev.), xi. 65
- Dafila acuta tzitzihoa. *See* Pintail, American
- DAMBACH, C. A., co-author
Statistical survey of winter bird life of southeastern Ohio-Muskingum County (rev.), viii. 135
- DAMBACH, C. A. and E. E. GOOD
Effect of certain land use practices on populations of breeding birds in southwestern Ohio (rev.), xi. 123
- DANFORTH, CHARLES G.
Feeding habits of Red-breasted Sapsucker (rev.), x. 50
- DANFORTH, STUART T.
Birds of Porto Rico (rev.), ix. 114
- DARLING, F. FRASER
Bird flocks and the breeding cycle (rev.), ix. 171
Herd of Red Deer. Study in Animal Behavior (rev.), ix. 171
Wild country. A Highland naturalist's notes and pictures (rev.), x. 106
- DAVIS, DAVID E.
Cycle in Northern Shrike Emigrations (rev.), viii. 95
Social nesting habits of Smooth-billed Ani (rev.), xi. 117
- DAVIS, E. M.
Sparrow migration at Shirley, Massachusetts, vii. 48
Observations on nesting Barn Swallows, viii. 66-72
- DAVIS, E. M., co-author
Report on banding Barn Swallows, 1932 through 1936, vii. 149-155
Sparrow migration at Shirley, Massachusetts, fall of 1936, viii. 122-124
- DAVIS, M., co-author
Courtship display of Flightless Cormorant (rev.), viii. 39
- DAVIS, M.
Partial nidification of Flightless Cormorant (rev.), x. 45
- DAVISON, V. E.
An 8-year census of Lesser Prairie Chicken (Okla.) (rev.), xi. 122
- DELACOUR, JEAN
Aviculture. Treatise on Management of Foreign and British Birds in Captivity (rev.), ix. 64
First rearing of Pittas in captivity (rev.), x. 96
- DELAMAIN, JACQUES
Portraits d'Oiseau (rev.), ix. 218
- Delichon urbica. *See* Martin, House
- DEMANDT, C.
Observations on a cliff nest of Peregrine Falcon (rev.), x. 130
- DÉMENTIEV, G.
Experiences with Saker Falcon (rev.), x. 50
Geographic variability of gyrfalcons of the eastern hemisphere (rev.), x. 128
Hawking with the Eagle in Turkestan (rev.), viii. 37
- Dendroica aestiva. *See* Warbler, Yellow
- Dendroica castanea. *See* Warbler, Bay-breasted
- Dendroica coronata. *See* Warbler, Myrtle
- Dendroica discolor. *See* Warbler, Prairie
- Dendroica dominica. *See* Warbler, Yellow-throated
- Dendroica fusca. *See* Warbler, Blackburnian
- Dendroica magnolia. *See* Warbler, Magnolia
- Dendroica palmarum hypochrysea. *See* Warbler, Yellow Palm
- Dendroica pensylvanica. *See* Warbler, Chestnut-sided
- Dendroica pinus. *See* Warbler, Pine
- Dendroica striata. *See* Warbler, Blackpoll
- Dendroica tigrina. *See* Warbler, Cape May
- Dendroica virens. *See* Warbler, Black-throated Green
- DENT, G.
Bigamy in Montagu's Harrier (rev.), x. 167
- DERSHEID, J. M.
Incubation periods of Mallard, Pintail and Long-tailed Ducks (rev.), x. 45
- DEUSING, MURL
Nesting habits of Pied-billed Grebe (rev.), xi. 25
- DEWAR, J. M.
Identity of specialized feeding habits of Turnstone and Oystercatcher (rev.), xi. 179
Ménage a Trois in the Mute Swan (rev.), viii. 38
- DICE, LEE R.
Poison and Ecology (rev.), ix. 113
- Dichromanassa rufescens. *See* Egret, Reddish
- DICKERSON, L. M.
Destruction of wildlife by auto (rev.), x. 139

- DIESELHORST, G.**
 Long-tailed Tit (rev.), x. 169
- DIGGER-wasp, orientation** (rev.), xi. 114
- DINGLE, J. H.** *See* Fothergill, L. D.
- Diomedea immutabilis.** *See* Albatross, Laysan
- Dipper**
 Breeding biology of, in Thuringia (rev.), ix. 59
 Feeding in still water (rev.), x. 138
 Persecuting Wagtail (rev.), xi. 29
- DIRCKSEN, ROLF**
 Island of birds. A book of Oystercatchers, Terns and Plover (North Sea) (rev.), x. 104
- DIRKX, A.**
 Notes on Savi's Warbler (rev.), x. 169
- Diseases of Birds**
 Book reviews, ix. 66, 115-116, 172, 219
 Problem and a plan, viii. 109-113
 Progress report on, ix. 101-102
 Var. spp. examined, x. 35-38
- Distribution**
 Breeding birds (Finland) (rev.), x. 53
 British woodland birds (rev.), x. 175
- DIXON, J. B.**
 Fauna of the National Parks of United States (rev.), vii. 59
 Golden Eagle in San Diego County, California (rev.), viii. 130
 Nesting of Sierra Nevada Rosy Finch (rev.), vii. 92
 Nesting of Western Goshawk in California (rev.), ix. 106
- Dove, Ground**
 External parasites from, vii. 18
 Nesting in Florida (rev.), viii. 181
- Dove, Mourning**
 Age, viii. 56; ix. 187
 Censusing (rev.), xi. 34
 External parasites from, vii. 17; viii. 162
 Gastroliths in, xi. 173
 Nesting habits, ix. 107; xi. 27
 Recoveries, vii. 124-126, 170; ix. 187
 Weights, ix. 4-9
- Dove, Ring, social hierarchy** (rev.), xi. 179
- Dove, White-winged, status** (rev.), xi. 122
- Dovekie, external parasites from**, vii. 17
- Doves, Hippoboscid flies from** (rev.), x. 177
- Dowitcher**
 External parasites from, vii. 16
 Recoveries, ix. 185
- Downy young of Limicolae** (rev.), xi. 26
- DROST, RUDOLF**
 Age and sex relations in migrants (rev.), vii. 52
 Bigamy in the Yellow Wagtail?(rev.), xi. 69
 Delayed home-coming and population of White Stork (rev.), ix. 208
 Influence of removing to a distance the Sparrow Hawk (*Accipiter nisus* during fall migration (rev.), x. 164
 Research on Migration (rev.), vii. 90
 Sex determination of living birds according to the form of the cloaca (rev.), ix. 203
- DROST, R. and L. SCHILLING**
 Migration of Pied Flycatcher (rev.), xi. 175
- DRUM, MARGARET**
 Territorial studies on Eastern Goldfinch (rev.), x. 171
- Dryobates borealis.** *See* Woodpecker, Red-cockaded
- Dryobates leucotos.** *See* Woodpecker, White-backed
- Dryobates major.** *See* Woodpecker, Great Spotted
- Dryobates medius.** *See* Woodpecker, Spotted
- Dryobates minor.** *See* Woodpecker, Lesser Spotted
- Dryobates minor hortorum.** *See* Woodpecker, Lesser Spotted
- Dryobates pubescens.** *See* Woodpecker, Downy
- Dryobates pubescens medianus.** *See* Woodpecker, Northern Downy
- Dryobates villosus septentrionalis.** *See* Woodpecker, Northern Hairy
- DUBOIS, A. D.**
 Habits and nest life of Desert Horned Lark (rev.), vii. 134
 Observations at a Rufous Hummingbird's nest (rev.), x. 47
- Duck, Black**
 Age, viii. 35.
 External parasites from, vii. 12
 Recov., xi. 110
- Duck, Eider, social behavior**, x. 129
- Duck, Greater Scaup, recoveries**, ix. 185
- Duck, Lesser Scaup**
 External parasites from, vii. 12
 Hybridism, viii. 119
 Sex-ratios, viii. 118
- Duck, Ring-necked**
 Albinism and sex-ratios, viii. 118
 External parasites from, vii. 12
 Hybridism, viii. 119
- Duck, Ruddy**
 External parasites from, vii. 12
 Nesting studies, ix. 215

- Duck, Tufted, nesting of, with terns, ix. 166
- Duck, Wood
Eaten by alligators, viii. 34
External parasites from, vii. 12; in Ill. (rev.), x. 94
Injury-feigning (rev.), viii. 134
Sex-ratios, viii. 118
- Ducks
Distr. and migr. in Russia (rev.), xi. 64
Food habits of diving (rev.), x. 177
Food of game (rev.), x. 140
Incubation periods (rev.), x. 45
Nesting on refuge (N. D.) (rev.), x. 94
Parasites, internal (rev.), x. 59
Recov., xi. 110
Status in Scotland (rev.), xi. 123
Dumetella carolinensis. *See* Catbird
- DUMONT, GUSTAVE, JR.
Returns of birds released away from station, xi. 111
- DUNCAN, A. B.
Magpie in Scotland (rev.), ix. 210
- Dunlin
Breeding habits, ix. 209
Weights, ix. 9
- DUPOND, CHARLES
Results from ringing birds in Belgium (rev.), xi. 63
- DUPOND, M.
Migration of Birds (rev.), ix. 55
- DUPUY, WILLIAM A.
The nation's forests (rev.), x. 59
- Duration of life (*See also* Age), various spp. (rev.), x. 165
- DYER, ERNEST I.
More observations on the nesting of Allen Hummingbird (rev.), x. 132
- Eagle, American, study in natural and civil history (rev.), vii. 60
- Eagle, Bald
Food habits, ix. 164 (rev.), xi. 180
Nesting in southeastern Florida (rev.), viii. 180
Recoveries, vii. 41
Weights, viii. 168
- Eagle, Crowned, nesting in Africa (rev.), viii. 130
- Eagle, Golden
Age, ix. 206
External parasites from, vii. 13
Nesting in San Diego County, California, viii. 130
Used for hunting wolves and foxes, viii. 37
Weight, viii. 168
- Eagle, Short-toed, behavior in respect to snakes, ix. 110
- Eagle, Snake, nesting, ix. 160
- Eagle, White-tailed, observations, in Germany (rev.), ix. 58; in Iceland (rev.), xi. 176
- ECKE, H.
Recoveries of German Red-backed Shrikes (rev.), vii. 177
Nesting behavior of the Spotted Flycatcher (rev.), ix. 163
- ECKSTEIN, GUSTAV
History of a Canary Family (rev.), viii. 97
- Ectoparasites and bird diseases, vii. 163-166
- Ectopistes migratorius. *See* Pigeon, Passenger
- EDGE, ROSALIE
Advance of Conservation (rev.), ix. 169
- EDMINISTER, FRANK C.
Effect of predator control on Ruffed Grouse populations in New York (rev.), xi. 34
Productivity of Ruffed Grouse in New York (rev.), x. 94
Marking of Ruffed Grouse for field identification (rev.), ix. 203
- EGGEBRECHT, E.
Breeding biology of the Dipper (rev.), ix. 59
Nesting of Grey Wagtail (rev.), xi. 29
- Eggs
Size of sets (rev.), x. 139
Volume and incubation period (rev.), xi. 72
Weights (China) (rev.), x. 165
- Egret, American
External parasites from, vii. 11
Recoveries, vii. 141; ix. 81, 184
- Egret, Reddish, recoveries, vii. 142; ix. 81
- Egret, Snowy
Crow damage (rev.), xi. 177
External parasites from, vii. 11
Recoveries, vii. 141; ix. 81
- Egretta thula. *See* Egret, Snowy
- EHLERS, J.
Results of banding German Greenfinches (rev.), xi. 113
- EICHLER, W.
Hippoboscid flies (rev.), ix. 66
Nutrition and egg-laying of Mallophaga (rev.), ix. 66
Parasitological problems, ix. 87-91
- Eider, American
External parasites from, vii. 12
Nesting habits, ix. 208
Nesting success (Finland) (rev.), x. 166
Size of egg sets (rev.), x. 100

- Eider, American (*con.*)
Social behavior (Finland) (rev.),
x. 129
- Elanus leucurus. *See* Kite, White-tailed
- ELIOT, S. A., JR., co-author
Birds of the Connecticut Valley in
Massachusetts (rev.), ix. 64
- ELLIS, J. C. S.
Ménage a trois in Mute Swan (rev.),
viii. 89
- ELTON, CHARLES
On the nature of cover (rev.), xi. 34
- EMEIS, W.
Increase of Stork in Schleswig-
Holstein (rev.), viii. 88
- EMERSON, ALFRED E.
Society for study of speciation, xi. 126
- EMLÉN, J. T., JR.
Age determination in Crow (rev.),
vii. 131
- EMLÉN, J. T., JR., co-author
California Ground Squirrel robs nest
of Valley Quail (rev.), ix. 110
Morning awakening time of Mocking-
bird, viii. 81-82
Sex ratios in Crow populations during
winter and spring, vii. 83
- EMLÉN, J. T., JR. *See also* Lack, D.
Seasonal movements of a low-density
Valley Quail population (rev.),
x. 130
Sex and age ratios in survival of
California Quail (rev.), xi. 122
- Empidonax flaviventris. *See* Fly-
catcher, Yellow-bellied
- Empidonax minimus. *See* Flycatcher,
Least
- Empidonax virescens. *See* Flycatcher,
Acadian
- Emu, nesting studies (rev.), vii. 180
- Encephalomyelitis, Avian (rev.), x. 59;
Equine (rev.), x. 59, 176, 177
- ENGELS, WM. L.
Structural adaptations in thrashers
(Mimidae: genus *Toxostoma*) with
comments on interspecific relation-
ships (rev.), xi. 181
- Ereunetes maurii. *See* Sandpiper,
Western
- Ereunetes pusillus. *See* Sandpiper,
Semipalmated
- Erismatura jamaicensis rubida. *See*
Duck, Ruddy
- Erithacus rubecula. *See* Redbreast
- Erolia maritima. *See* Sandpiper,
Purple
- ERRINGTON PAUL L.
Ability of Bob White and Pheasant
to withstand cold and hunger
(rev.), x. 139
Banding studies of semi-domesticated
Mallard Ducks, vii. 69-72
Bob-White's winter territory (rev.),
vii. 181-182
Effect of spring drought on repro-
duction in Hungarian Partridge
(rev.), ix. 166
Food habits of Marsh Hawks in
north-central U. S. (rev.), viii. 185
Food of Bob-White in Wisconsin
(rev.), x. 140
Great Horned Owl as an indicator of
vulnerability in prey populations
(rev.), x. 54
Nesting losses and juvenile mortality
of Ring-necked Pheasant (rev.),
viii. 180
- ERWIN, W. G.
Nesting habits of Brown Thrasher
(rev.), vii. 54
- ESTHER, H.
Rare cases of hyperdactyly in Kestrel
(rev.), x. 50
- Euphagus carolinus. *See* Blackbird,
Rusty
- Euphagus cyanocephalus. *See* Black-
bird, Brewer's
- Euplectes spp. *See* Bishop Bird.
- EVANS, EDNA H.
Bill and the bird bander (rev.), xi. 124
- EVANS, L. T.
Territory and courtship in Lizards
(rev.), viii. 40
Territorial behavior of females of
Anolis carolinensis (rev.), viii. 89
- FABRICIUS, ERIC
Tufted Duck nesting with Terns
(rev.), ix. 166
- Falco cherrug. *See* Falcon, Saker
- Falco columbarius. *See* Hawk, Pigeon
- Falco gyrfalco. *See* Gyrfalcon
- Falco mexicanus. *See* Falcon, Prairie
- Falco peregrinus. *See* Falcon, Peregrine
- Falco peregrinus anatum. *See* Hawk,
Duck
- Falco sparverius. *See* Hawk, Sparrow
- Falco subbuteo. *See* Hobby
- Falco tinnunculus. *See* Kestrel
- Falco vespertinus. *See* Falcon, Red-
footed
- Falcon, Peregrine, cliff nest (rev.), x. 130
- Falcon, Prairie
Taming of young male, vii. 55
Trapping, viii. 159
Weights, viii. 168

- Falcon, Red-footed, recovery, vii. 88
 Falcon, Saker, notes on (rev.), x. 50
 Falconry, book on (rev.), xi. 76
 Farne Islands (Gr. Br.), sanctuary (rev.), x. 103
 FERRIS, REED W.
 Eight years of banding Western Gulls (rev.), xi. 175
 Field work, rept. of comm. (rev.), x. 53
 Finch, Corsican Citril, Field notes, ix. 61
 Finch, Hepburn's Rosy, Wintering in Maine, viii. 83
 Finch, House
 Age, vii. 132; viii. 63, 129
 Molt (rev.), xi. 115
 Weights, ix. 8
 Finch, Purple
 Age, vii. 161; viii. 62; ix. 188 (rev.); x. 165
 Erratic wanderings, ix. 201
 External parasites from, vii. 25
 Feeding on buds of seckel-pear tree, ix. 199
 Invasion of 1939, xi. 79-105
 Large numbers, x. 90
 Molt, vii. 73-76
 Recoveries, ix. 188; x. 43
 Return, ix. 48, 189; x. 192
 Sex-determination, ix. 48, 199
 Sex ratios, xi. 110
 Finch, Rosy
 Combat (rev.), x. 51
 Foraging (rev.), xi. 69
 Nesting (rev.), xi. 119
 Finch, Scarlet
 Nesting (rev.), x. 134
 Nesting habits, in East Prussia (rev.), ix. 61
 Finch, Sierra Nevada Rosy, nesting, vii. 92
 Finch, Snow, nesting (rev.), xi. 69
 Finland
 Banding report (rev.), x. 91
 Behavior in short nights (rev.), x. 51
 Bird distr. (rev.), x. 53
 Bird weights (rev.), x. 45
 Nesting notes (rev.), x. 166
 Fish
 In food of Herring Gull (rev.), xi. 74
 In food of Merganser (rev.), xi. 123
 Predator control (rev.), xi. 35
 Fish, Jewel, social behavior (rev.), xi. 33
 FISHER, JAMES, co-author
 Census of Gannets on Ailsa Craig (rev.), viii. 95
 See also Nicholson, E. M. Birds as animals (rev.), xi. 35
 FISHER, JAMES and DAVID LACK
 Field observations on birds in 1937 (rev.), x. 98
 FISHER, JAMES, MALCOLM STEWART and L. S. V. VENABLES
 Gannet colonies of Shetland (rev.), x. 102
 FISHER, JAMES and G. H. VEVERS
 World distribution and numbers of breeding Gannets (rev.), xi. 73
 Fishes, sexual selection (rev.), x. 55
 FITCH, HENRY S.
 Observations on Horned Owl nests (rev.), xi. 67
 Flamingo, Cuban, breeding in the Berlin zoo (rev.), ix. 160
 FLEAY, DAVID H.
 Nesting of Emu (rev.), vii. 180
 Nesting of Brush-Turkey (rev.), viii. 129
 Fledglings, ret. in Tree Swallows, x. 66; in Catbirds, xi. 21
 FLENTGE, LOUIS G.
 What time of day do birds feed?, viii. 174-175
 Flicker, Northern
 Age, viii. 57
 Age record (rev.), x. 165
 Bathing behavior, viii. 176
 Caring for starlings, x. 90
 Courtship and sexual selection (rev.), vii. 179
 External parasites from, vii. 18
 Food in winter, viii. 114-117
 Incubation of male, viii. 131
 Recoveries, viii. 145
 Return, ix. 98; x. 11
 Flight movement, Hummingbird (rev.), x. 132, 168
 Flight of Birds (rev.), x. 57
 Florida *cærulea*. See Heron, Little Blue
 FLOWER, S. S.
 Further notes on the duration of life in animals. IV Birds (rev.), x. 165
 FLOYD, CHARLES B.
 A cat-infested Vermont farm, x. 43
 Experiments with Terns at Tern Island, Chatham, Mass. (rev.), ix. 107
 Northern Flicker's unusual manner of bathing, viii. 176
 Ruby-throated Hummingbirds in cold weather, viii. 79
 Flycatcher, Acadian, external parasites from, vii. 19
 Flycatcher, Japanese Paradise (rev.), x. 169
 Flycatcher, Least
 External parasites from, vii. 19
 Returns and recoveries, viii. 148; ix. 200

- Flycatcher, Northern crested
 Age of, vii. 171; viii. 58
 External parasites from, vii. 19
 Mating of a pair for three consecutive years, vii. 171
 Return, viii. 147
- Flycatcher, Paradise, nesting habits, ix. 211
- Flycatcher, Pied
 Feeding, ix. 162
 Incubation, viii. 181
 Migr. (rev.), xi. 175
 Nesting (rev.), xi. 74
 Polygamy, viii. 38
- Flycatcher, Red-breasted, nesting in East Prussia, viii. 88
- Flycatcher, Spotted
 Behavior (rev.), xi. 68
 Nesting habits, ix. 60, 163
- Flycatcher, Yellow-bellied, returns, viii. 148
- Food, amount consumed, by Sparrow Hawk (rev.), x. 175; Chimney Swift, xi. 173
- Food habits, of diving ducks (rev.), x. 178
- Food plants for wildfowl (rev.), x. 105
- FORBUSH, EDWARD HOWE
 Natural history of the birds of eastern and central North America (rev.), xi. 36
- Forests, the nation's (rev.), x. 59
- FORREST, H. E.
 Starlings with young at Christmas (Gr. Br.) (rev.), xi. 118
- FOSTER, FRANK B.
 Notes on duck recoveries, xi. 110
- FOTHERGILL, L. D. and J. H. DINGLE
 Fatal disease of pigeons caused by virus of eastern variety of equine encephalomyelitis (rev.), x. 177
- FOX, ADRIAN C.
 Homing instinct of Cowbirds, xi. 23
- FRANK, HANS
 Z-i-i-h—the Penduline Tit (rev.), x. 105
- FREEMAN, C. P., co-author
 Breeding habits of Stock-Doves (rev.), viii. 131
- FREGATA spp. *See* Man-o-War
- FREITAG, FRITZ
 Experiences with ringed Starlings in the nesting season (rev.), x. 133
 Ringed Starlings in the breeding season. II (rev.), ix. 108
- FRIEDMANN, H., co-author
 Courtship display of Flightless Cormorant (rev.), viii. 39
- FRIELING, F. *See* Berndt, R.
- Fringilla cœlebs. *See* Chaffinch
- Fringilla montifringilla. *See* Brambling
- FROST, ALLEN
 Effect upon wildlife of spraying for control of gypsy moth (rev.), ix. 113
- FUERTES, LOUIS A., co-author
 Artist and naturalist in Ethiopia (rev.), viii. 97
- Fulica americana. *See* Coot, American
- Fulica atra. *See* Coot, European
- Fulmar, Atlantic
 External parasites from, vii. 10
 Life history (rev.), viii. 179
- Fulmarus glacialis. *See* Fulmar, Atlantic
- FURNISS, O. C.
 Sex ratio in ducks (rev.), vii. 93
 Waterfowl season (1937) in central Saskatchewan (rev.), ix. 166
- Gadwall
 External parasites from, vii. 12
 Nesting in Utah, ix. 215
- Gallinula chloropus cachinnans. *See* Gallinule, Florida
- Gallinula chloropus chloropus. *See* Moor-hen
- Gallinule, Florida
 External parasites from, vii. 15
 Hybridism, viii. 118
 Recoveries, ix. 86
- Game birds, original and present status in U. S. (rev.), xi. 123
- GANIER, A. F.
 Notes on a very old Cardinal (rev.), viii. 128
 Relative abundance of winter birds at Nashville (Tenn.) (rev.), x. 102
- Gannet
 Census on Ailsa Craig, viii. 95; ix. 111
 Colonies of Shetland (rev.), x. 102
 Of Ireland (rev.), x. 141
 Of the world (rev.), xi. 73
 External parasites from, vii. 11
 Territorial behavior, vii. 6
- Garden, attracting birds in (rev.), xi. 76
- Gastroliths in Mourning Dove, xi. 173
- Gavia immer. *See* Loon, Common
- Geese, status of wild in Scotland, xi. 123
- "Geese fly high" (rev.), xi. 35
- Gelochelidon nilotica. *See* Tern, Gull-billed
- Geothlypis trichas. *See* Yellow-throat
- GERBER, R.
 Long life of albinistic blackbird (rev.), viii. 87
- German birds, handbook (rev.), x. 57
- GEROUDT, P.
 Black-headed Gulls of Geneva (rev.), xi. 175

- GERSTEL, R. and W. H. LONG
Physiological variations in wild turkeys and their significance in management (rev.), xi. 74
- GEYR, H. BARON
How far does the House Sparrow carry food? (rev.), x. 175
Moor-hen calling for mate (rev.), x. 95
- GIGSTAD, GILL
Wood Ducks in Illinois River bottoms (rev.), x. 94
- GILL, GEOFFREY
Analysis of catbird returns over a ten-year period, xi. 21
Auxiliary perch for top-opening traps, x. 43
Constancy of Catbirds to mates and territory (rev.), viii. 88
Grackle return records, x. 160
Trap behavior of Purple Grackles, viii. 78
Wandering of immature Catbirds, vii. 86
- GILLETTE, H. P.
Cycles that cause the present drought (rev.), viii. 40
- GIRARD, GEORGE
Life history of Shoveller (rev.), xi. 26
- GLADING, BEN, co-author
California Ground Squirrel robs nest of Valley Quail (rev.), ix. 110
- Glaucionetta clangula americana. *See* Golden-eye, American
- GODDARD, T. R.
Farne Islands as a bird sanctuary (rev.), x. 103
- Godwit, Black-tailed, age, vii. 89
- Godwit, Marbled, external parasites from, vii. 16
- GOELLNER, EUGENE J.
Immature House Wren return-1, viii. 83
- GOETHE, F.
Biology of Herring Gull (rev.), viii. 132-134
On "taking offense" in birds (rev.), xi. 121
- GOETZ, CHRISTIAN J.
Bronzed Grackle and Blue Jay age records, ix. 199
- GÖTZ, W. H. J.
Relations of Magpies and Jays (rev.), ix. 167
- Golden-eye, American
Courtship display (rev.), x. 172
External parasites from, vii. 12
- Goldfinch, Eastern
Age, viii. 63
External parasites from, vii. 25
Life history (rev.), x. 134
Territory (rev.), x. 171
- GOOD, E. E. *See* Dambach, C. A.
- Goose, Blue
External parasites from, vii. 11
Recoveries, ix. 184
- Goose, Canada
Age, vii. 175
Behavior in Scotland (rev.), xi. 123
External parasites from, vii. 11
Nesting in Utah (rev.), ix. 106
Weights, vii. 53
- Goose, Egyptian (rev.), x. 55
- Goose, Emperor, food (rev.), x. 140
- Goose, Graylag, egg rolling, x. 136
- Goose, Snow
External parasites from, vii. 11
Nesting near Snowy Owls, ix. 166
- Goshawk
Banding in Germany (rev.), x. 163
Homing (rev.), xi. 176
- Goshawk, Eastern
External parasites from, vii. 13
Recoveries, vii. 39
- Goshawk, European
Age, viii. 97
Homing experiments, viii. 86
- Goteberg, banding (rev.), xi. 63
- GOWER, CARL
New Host and locality record for *Sarcocystis rileyi* (rev.), ix. 219
Studies on trematode parasites of ducks, in Michigan with special reference to the Mallard (rev.), x. 59
- Grackle
Behavior of hand-reared bird (rev.), xi. 69
Ret., x. 13, 160
- Grackle, Boat-tailed
External parasites from, vii. 24
Life history (rev.), viii. 182
Sex ratios, viii. 118
- Grackle, Bronzed
Age, viii. 127; ix. 200
Blood parasites, ix. 220
External parasites from, vii. 24
Song of immature, ix. 165
Weights and measurements, viii. 179; ix. 7
- Grackle, Florida, external parasites from, vii. 24
- Grackle, Purple
External parasites from, vii. 24
Recoveries, ix. 98
Trap behavior, viii. 78
- GRANFIELD, A. *See* Santee, R.

- GRANT, OLOF**
 Quantitative study of a Fjeld region
 North Finland (rev.), x. 53
- Grasshoppers**, value of protective coloration (rev.), x. 56
- GREAVES, R. H.**, co-author
 Nile Valley Sunbird in Egypt (rev.), ix. 109
- Grebe, Great Crested**
 Population study, viii. 41
 Territorial study, vii. 3, 178
- Grebe, Horned**, external parasites from, vii. 10
- Grebe, Little**, sexual display, viii. 90
- Grebe, Pied-billed**, nesting (Wis.) (rev.) xi. 25
- Grebe, Slavonian**, courtship (rev.), xi. 65
- GREEN, WYMAN R.**
 Banding Chimney Swifts in the region of Chattanooga, Tennessee, xi. 37-57
- Greenfinch**
 Banding (rev.), xi. 113
 Recoveries, ix. 159
- GRIFFIN, DONALD R.**
 Bat-banding—request for cooperation, vii. 87-88
 Homing experiments with Leach's Petrels (rev.), xi. 64
- GRINER, L. A.** *See* Rasmussen, P. I.
- GRINNELL, JOSEPH**
 Swallows at the Life Sciences Building (rev.), ix. 59
- GRINNELL, JOSEPH**, co-author
 Vertebrate animals of Point Lobos Reserve (rev.), viii. 136
- GRISCOM, LUDLOW**
 Birds of Lake Umbagog region of Maine, part 4 (rev.), x. 57
 Decrease and increase in Massachusetts birds (rev.), ix. 167
 Eleven years birding in Massachusetts (rev.), x. 141
 Monographic study of Red Crossbill (rev.), viii. 97
 Phenomenal spring Migration (rev.), ix. 204
- GROEBBELS, F.**
 The Bird. Vol. II. Sex and reproduction (rev.), ix. 216
- GROHMANN, JOSEF**
 Learning or maturation? A study of the various relationships between instinctive action and experience (rev.), x. 136
- GRONVALL, J. S.**
 Weight of Finnish birds (rev.), x. 45
- Grosbeak, Black-headed**, ages and returns, viii. 154
- Grosbeak, Evening**
 Ages and recoveries, viii. 62, 82; ix. 188
 Ages (rev.), x. 165
 Recovery (N. J.), x. 124
 Sex ratios, x. 161
- Grosbeak, Pine**, age, viii. 63
- Grosbeak, Rose-breasted**
 Age, viii. 62
 External parasites from, vii. 25
 Plumage, ix. 197
 Returns, viii. 154
 Sex ratio, ix. 196-197
- GROSKIN, HORACE**
 Purple Finches as bud-eaters, ix. 199
- GROSS, ALFRED O.**
 Eider Ducks of Kent's Island (rev.), ix. 208
 Migration of Kent Island Herring Gulls, xi. 129-155
- GROSS, WILLIAM A. O.**
 Life history cycle of Leach's Petrel (rev.), vii. 54
- GROTE, HERMANN**
 Climatically conditioned differences in the size of sets within the same race of birds (rev.), x. 139
 Rook as an egg robber (rev.), x. 133
 Temporary change of breeding place with the European Quail (rev.), xi. 176
 Wild Geese nesting near Duck Hawks and Snowy Owls (rev.), ix. 166
- Grouse, Prairie Sharp-tailed**, external parasites from, vii. 14
- Grouse, Red**, sex life (rev.), x. 94
- Grouse, Ruffed**
 Effect of predator control (rev.), xi. 34
 External parasites from, vii. 14
 Fluctuations in numbers, viii. 41
 In N. Y. (rev.), x. 94
 Malarial parasites, ix. 220
 Management (rev.), viii. 186
 Marking for field identification (rev.), ix. 203
- Grouse, Sage**, mgt. (rev.), x. 94
- Grouse, Sharp-tailed**
 In Wis. (rev.), x. 167
 Traps for, ix. 177-183
 Winter and spring studies in Utah (rev.), ix. 107
- Grus canadensis.** *See* Crane, Sandhill, Florida
- Grus grus.** *See* Crane
- Guara alba.** *See* Ibis, White
- Guillemot**, territorial behavior, vii. 6

- GUIRTCHICH, G. DE**
 Ornithological chronicle from Tunis (rev.), x. 176
- Gull, Black-headed**
 Age, vii. 88, 89; viii. 37; ix. 206
 Behavior and social life (rev.), viii. 187; ix. 216
 Colonies (rev.), xi. 73
 Incubating 75 days (rev.), xi. 178
 Migration experiment, viii. 177
 Migr. (Switz.) (rev.), xi. 113
 Of Switzerland, xi. 175
 Recoveries, vii. 52
 Return to winter quarters (rev.), x. 164
 Sexual maturity, vii. 176
- Gull, Bonaparte's, external parasites from, vii. 17**
- Gull, California**
 Age, vii. 54
 Recoveries, vii. 144
- Gull, Franklin's, recovery, ix. 186**
- Gull, Glaucous**
 Age, viii. 53
 External parasites from, vii. 16
 Migratory behavior, ix. 56
- Gull, Great Black-backed**
 Age, viii. 54; ix. 186
 External parasites from, vii. 16
 Recoveries, ix. 186
- Gull, Herring**
 Age, vii. 91, 130, 175; viii. 35, 54; ix. 186, 206
 Albinism, ix. 102
 Behavior of young, viii. 77
 Color banding (rev.), xi. 17, 25
 Cooperative study, viii. 74-75; ix. 155
 Cooperative project report, viii. 126, 173
 External parasites from, vii. 16
 Internal parasites from, ix. 115
 Length of life (rev.), xi. 65
 Raises Tern (rev.), x. 173
 Recoveries, ix. 186
 Relation to fish (Me.), xi. 74
 Sight-recoveries of marked birds, ix. 51-54, 198
 Sociology, viii. 39, 132-134; ix. 171
 Territorial behavior, vii. 6, 135-136
- Gull, Laughing**
 Egg recognition by (rev.), xi. 171
 External parasites from, vii. 17
 Recoveries, ix. 186
- Gull, Lesser Black-backed**
 Migration experiment, viii. 177
 Sociology, ix. 171
- Gull, Ring-billed**
 Age, viii. 54; ix. 186
 Recoveries, ix. 186
 Sight-recoveries of marked birds, ix. 198
- Gull, Western, banding (rev.), xi. 175**
- Gulls**
 Artificial colonies (rev.), x. 164
 Color banding, x. 38-40 (rev.); x. 25, 126; xi. 17
 Mixed colonies (rev.), x. 137
 Predation on Murre (rev.), x. 49
- GUNN, D.**
 Courtship display of Goldeneye (rev.), x. 172
- Gyrfalcon, variation (rev.), x. 128**
- Gyrfalcon, Iceland, nesting (rev.), xi. 116**
- HAAS, GERHARD**
 Nesting of Scarlet Finch by the Drausensee (rev.), x. 134
 Nesting of Hen Harrier (rev.), x. 167
- Hæmatopus ostralegus. See Oystercatcher, European**
- Hæmatopus palliatus. See Oystercatcher, American**
- HAGAR, J. A.**
 Least Tern Studies, 1935 and 1936 (rev.), viii. 180
- HAGEN, WERNER**
 Erp, the story of a Mallard (rev.), x. 105
- HAINARD, ROBERT, co-author**
 Nesting of Snake Eagle (rev.), ix. 160
- Haliaëtus albicilla. See Eagle, White-tailed**
- Haliaëtus leucocephalus. See Eagle, Bald**
- HAMERSTROM, F. N., JR.**
 Central Wisconsin Crane study (rev.), x. 46
 Nesting habits of Ring-necked Pheasant in Iowa (rev.), viii. 37
 Study of Wisconsin Prairie Chicken and Sharp-tailed Grouse (rev.), x. 167
- HAMERSTROM, F. N., JR., co-author**
 Nesting losses and juvenile mortality of Ring-necked Pheasant (rev.), viii. 180
 Spring drought, effect of on reproduction in Hungarian Partridge (rev.), ix. 166
 Traps for Pinnated and Sharp-tailed Grouse, ix. 177-183
 Winter territory of Bob-white (rev.), vii. 181-182
- HAMPE, HELMUT**
 Biology of Bourke's Parrakeet (rev.), xi. 66
 Biology of Pale-headed Rosella (rev.), x. 50
 Biology of the Rosella Parrot (rev.), viii. 184

- HAMPE, HELMUT (*con.*)
 Biology of the Song Parrot (rev.), ix. 210
 Nest building and sex differences in *Agapornis* species (rev.), ix. 107
- HANN, H. W.
 Life history of Ovenbird in southern Michigan (rev.), ix. 56
 Relation of castration to migration in birds, x. 122-125
 Polyandry in Ovenbird (rev.), xi. 177
- HARDY, ROSS
 Nesting habits of Western Red-tailed Hawk (rev.), x. 130
- HARKINS, C. E.
 Harris's Sparrow in its winter range (rev.), ix. 105
- HARLEAN, JAMES
 Romance of the National Parks (rev.), xi. 124
- HARPER, F.
 The Chuck-will's-widow in the Okefinokee region (rev.), xi. 32
- Harrier
 Montagu's, bigamy in (rev.), x. 167
 Hen, nesting (rev.), x. 167
- HARRISON, B. GUY
 Sea-bird islands of the South Caribbean (rev.), x. 93
- HARRISON, T. H., co-author
 St. Kilda Wren (rev.), vii. 176
- HARTLAN, A. J.
 Some breeding habits of Marsh-warblers in South Worcestershire (rev.), x. 97
- HARTLEY, C. H., co-author
 1937 census of Gannets on Ailsa Craig (rev.), ix. 111
- HARTLEY, P. H. T.
 Sexual display in Little Grebe (rev.), viii. 90
- HAVERSCHMIDT, FR.
 Nesting of Great and Lesser Spotted Woodpeckers (rev.), ix. 108
 Storks in the Netherlands (rev.), vii. 174; ix. 208
 Report on Stork in Netherlands in 1938 (rev.), x. 167; in 1939, xi. 115
- HAWBECKER, A. C.
 Nesting of White-tailed Kite in southern Santa Cruz County, California (rev.), xi. 116
- Hawk, American Rough-legged
 External parasites from, vii. 13
 Recoveries, vii. 41
 Weights, viii. 167
- Hawk, Broad-winged
 External parasites from, vii. 13
 Recoveries, vii. 40
- Hawk, Cooper's
 External parasites from, vii. 13
 Recoveries, vii. 39
- Hawk, Duck
 External parasites from, vii. 13
 Recoveries, vii. 43
- Hawk, Ferruginous Rough-legged
 Age, ix. 106
 Recoveries, vii. 41; x. 80-84
 Weights, viii. 168
- Hawk, Florida Red-shouldered, external parasites from, vii. 13
- Hawk, Harlan's, weight, viii. 167
- Hawk, Marsh
 Age, viii. 53
 Ecology and nest life, vii. 55
 External parasites from, vii. 13; viii. 163
 Food habits (rev.), viii. 185
 Recoveries, vii. 41
 Trapping, viii. 158
 Weights, viii. 168
- Hawk, Northern Red-shouldered
 External parasites from, vii. 13; ix. 172
 Recoveries, vii. 40
- Hawk, Pigeon
 External parasites from, vii. 14
 Recoveries, vii. 43
- Hawk, Red-tailed
 Age, viii. 53
 External parasites from, vii. 13
 Nesting (rev.), x. 130
 Recoveries, vii. 39
 Trapping, viii. 159
 Weights, viii. 167
- Hawk, Sharp-shinned
 Age, viii. 53
 External parasites from, vii. 13
 Homing experiments, ix. 106
 Recoveries, vii. 39
- Hawk, Sparrow
 External parasites from, vii. 14
 Food consumption (rev.), x. 175
 Homing experiments, ix. 106
 Migr. of transported birds (rev.), x. 164
 Recoveries, vii. 43
 Trapping, viii. 159
 Weights, viii. 168
- Hawk, Swainson's
 Age, viii. 53
 Recoveries, vii. 40
 Trapping, viii. 158
 Weights, viii. 167
- HAWKINS, ARTHUR S. *See* Buss, Irvén O.
- HAWKINS, QUAIL. *See* Hagen, Wolfgang

- Hawks
 Banding, x. 115-121
 Band sizes, x. 41-42
 Book on falconry (rev.), xi. 76
 Infl. of mice on breeding (rev.), x. 54
 Rel. to quail (rev.), x. 103
 Studies in Holland and Germany (rev.), vii. 55
- Hedymeles ludovicianus. *See* Grosbeak, Rose-breasted
- Hedymeles melanocephalus. *See* Grosbeak, Black-headed
- HEIDEMANN, J., co-author
 Invasion of Siberian Nutcrackers in 1933 (rev.), viii. 36
- HEILFURTH, F.
 Nesting ecology of birds in high mountains (rev.), vii. 134
- HEINROTH, OSKAR
 Life of birds (rev.), ix. 171
 Bathing of birds (rev.), ix. 214
- Helmitheros vermivorus. *See* Warbler, Worm-eating
- Helsingfors, nesting observations (rev.), x. 166
- Hemichromis bimaculatus. *See* Fish, Jewel
- Hen, Hazel, biology (rev.), xi. 116
- HENDRICKSON, GEORGE O., co-author
 Wintering of Northern Flicker in central Iowa, viii. 114-117
- HENDRICKSON, GEORGE O. *See* Bennett, L. J.
- HENDY, E. W.
 Same pair of chaffinches mating three times (rev.), xi. 29
- Hen-Harrier, Life-history study, vii. 178
- HENNINGS, H.
 Nest of the Hen-Harrier (rev.), vii. 178
- HERMAN, CARLTON M.
 Bird Malaria and mosquito control, ix. 25-31
 Blood Protozoa in Birds from Cape Cod (rev.), ix. 172
- HERMAN, CARLTON M., co-author
 Diseases of birds, progress report, ix. 101-102
 Ectoparasites and bird diseases, vii. 163-165
 Epidemiology of Malaria in Redwing (rev.), ix. 220
 Hippoboscid flies, viii. 161-166
 Rabbit tick on wild birds from Cape Cod (rev.), ix. 219
 Reviews by, ix. 66, 115, 172, 219-220
 Sex-ratios of banded Red-wings, ix. 92-93
- Heron
 Crow depredation (rev.), xi. 177
 Survey, xi. 126
- Heron, Black-crowned Night
 Age, viii. 53; ix. 83-85
 External parasites from, vii. 11
 Recoveries, vii. 83, 142; ix. 83-85, 184
 Social behavior, ix. 109
- Heron, Gray
 Age, vii. 52
 Eggs in Stork nests (rev.), x. 165
 Flocking of immature (rev.), x. 127
 Migratory status (rev.), x. 93
 Pop. (rev.), x. 54
- Heron, Great Blue
 External parasites from, vii. 11
 Recoveries, vii. 141; ix. 80-81, 184
- Heron, Green, recovery, ix. 83
- Heron, Little Blue
 External parasites from, vii. 11
 Destroyed by crows (rev.), xi. 177
 Recoveries, vii. 142; ix. 82
- Heron, Louisiana
 External parasites from, vii. 11
 Recoveries, ix. 82
- Heron, Night, breeding in Java (rev.), viii. 88
- Heron, Purple, age, vii. 89
- Heron, Squacco, recoveries, vii. 88
- HERRICK, FRANCIS H.
 American Eagle. Study in natural and civil history (rev.), vii. 60
- Hesperiphona vespertina. *See* Grosbeak, Evening
- HEYDWEILLER, A. MARGUERITE
 Sex, age and individual variation of winter Tree Sparrows, vii. 61-68
- HIBBERT-WARE, ALICE
 Little Owl inquiry, 1936-37 (rev.), ix. 58
- HICKEY, JOSEPH J.
 Bird-Lore's first breeding-bird census (rev.), ix. 62
 Bird-Lore's second breeding-bird census (rev.), x. 102
 Bird-Lore's third breeding-bird census (rev.), xi. 34
- HICKEY, JOSEPH J., co-author
 First sight-recoveries of marked Herring Gulls, ix. 51-54
 Gull checking. How old are your gulls? And where do they come from? (rev.), xi. 25
 Gull Survey plans for 1938, ix. 155-157
 Plans for a cooperative field study of Herring Gulls, viii. 74-75
 Progress report on 1937 Herring Gull study, viii. 126

- HICKEY, JOSEPH J., co-author (*con.*)
 Report of the Field Work Committee,
 1936-37 (rev.), x. 53
 Territorial aspects of American Red-
 start (rev.), xi. 119
 What is the next step in bird-
 banding?, viii. 73-74. *See also*
 Allen, R. P.
- HICKS, LAWRENCE E.
 Breeding birds of unglaciated Ohio
 (rev.), ix. 62
 Distribution of breeding birds of
 Ohio (rev.), vii. 95
 Population studies of European
 Starling in America (rev.), x. 163
 Review by, viii. 137
- HICKS, LAWRENCE E., co-author
 Statistical survey of winter bird life
 of southeastern Ohio-Muskingum
 County (rev.), viii. 135
 The 1939 September Pheasant survey
 (Ohio) (rev.), xi. 73
- HILPRECHT, A.
 Homing experiments with winter
 birds (rev.), vii. 53
- Himantopus mexicanus. *See* Stilt,
 Black-necked
- HINDWOOD, K. A.
 Flocking of birds (rev.), viii. 184-185
- HINSHAW, W. R., co-author
 Hexamita sp. in Turkeys in Cali-
 fornia (rev.), ix. 219
- Hippoboscid flies, from doves (rev.),
 x. 177
- Hirundo abyssinica, nesting, x. 169
- Hirundo erythrogaster. *See* Swallow,
 Barn
- Hirundo rustica. *See* Swallow, Euro-
 pean
- Hobby, Nesting study (rev.), vii. 179
- HOESCH, W.
 Breeding and molting in *Lophoceros*
 ssp. (rev.), ix. 161
 Honey-guiding of Indicator (rev.),
 viii. 183
 Nesting of Paradise Flycatcher (rev.),
 ix. 211
 Effects of rain and drought in south-
 western Africa (rev.), vii. 94
- HOFFMAN, GEORG
 Round about the Crane (rev.), viii.
 188
- HOFFMANN, PAUL WILLIAM
 Feeding habits of Black Tern (rev.),
 ix. 107
 Weekly visits with Black Tern in
 Wisconsin, vii. 85-86
- Hole-nesters in a Saxony Park (rev.),
 xi. 74
- HOLLOM, P. A. D.
 Great Crested Grebe sample count,
 1935 (rev.), viii. 41
 Report on the 1938 survey of Black-
 headed Gull colonies (Gr. Br.)
 (rev.), xi. 73
- HOLMES, P. E.
 Dipper feeding in still water (rev.),
 x. 138
 Oceanic records and winter distri-
 bution of phalaropes (rev.), x. 127
- HOLSTEIN, VAGN
 Nesting of Moor-hen (rev.), x. 46
- HOLTON, VIRGINIA
 The Beeps. The flights and cruises
 of three Missouri Tree Sparrows
 (rev.), xi. 76
- HOLTZAPPEL, MONIKA
 Analysis of gaping and pecking in the
 development of the Starling (rev.),
 xi. 70
- Homing experiments—articles reviewed
 by Mrs. Nice, vii. 52, 90, 131;
 viii. 36, 86; ix. 105, 205
- Homing experiments (rev.), x. 92
- Cowbird (rev.), xi. 23
- Ducks carried to other points, xi.
 58-60
- Goshawks (rev.), xi. 176
- Leach's Petrel (rev.), xi. 64
- Shearwaters (rev.), xi. 114
- Starlings (rev.), xi. 111
- Tree Sparrows (rev.), xi. 111
- Honeyeater, Black, nesting and mi-
 gration (rev.), ix. 212
- Honey-guide, behavior (rev.), viii. 183
- HOOPERWERK, A.
 Nesting of White Ibis (rev.), ix. 164
- Hoopoe, Terragraph at nest, vii. 93
- Hormone, effect on hens (rev.), x. 173
- HORNBERGER, F.
 Natural regulation of over-population
 of Storks in East Prussia through
 migration losses and nesting failures
 in 1937 (rev.), x. 54
 Ten Stork censuses in East Prussia
 (rev.), xi. 73
 White Stork population studies (rev.),
 viii. 129; ix. 58
- Hornbill, East African, breeding bio-
 logy (rev.), viii. 130; ix. 161
- HORSFALL, R. BRUCE, co-author
 Birds of the States (rev.), vii. 59
- HORTON-SMITH, C.
 The flight of birds (rev.), x. 57
- HOSKING, E. J.
 Courtship and display of Slavonian
 Grebe (rev.), xi. 65

- HOWELL, JOSEPH C.
Nesting of Bald Eagles in south-eastern Florida (rev.), viii. 180
- HUFF, C. G.
Survey of blood parasites of birds caught for banding purposes (rev.), x. 177
- Hummingbird
Flight in slow motion film (rev.), x. 132
Flight (rev.), x. 168
- Hummingbird, Allen, nesting (rev.), x. 95, 132
- Hummingbird, Black-chinned, nest rhythm (rev.), xi. 178
- Hummingbird, Ruby-throated
Behavior during a nesting season, viii. 170-173
Blood parasites, ix. 220
Effect of cold weather, viii. 79
Flying speed, viii. 172
Nesting, viii. 83 (rev.), xi. 67
- Hummingbird, Rufous, nesting (rev.), x. 47
- HUNTSMAN, A. G.
Migration and homing of Salmon (rev.), viii. 128
- Hurricane aftermath (rev.), x. 128
- HUXLEY, JULIAN S.
Nests and broods in 1936 in Whip-snade Bird Sanctuary, Bedfordshire (rev.), viii. 89
Nests and broods in Whip-snade Sanctuary in two successive years (rev.), x. 171
Present standing of theory of sexual selection (rev.), x. 56
Threat and warning coloration in birds with a general discussion of the biological functions of colour (rev.), x. 99
- HYDE, SIDNEY A.
Life history of Henslow's Sparrow (rev.), xi. 29
- Hydranassa tricolor ruficoles. *See* Heron, Louisiana
- Hydroprogne caspia imperator. *See* Tern, Caspian
- Hylocichla fuscescens. *See* Veery
- Hylocichla guttata faxoni. *See* Thrush, Eastern Hermit
- Hylocichla minima. *See* Thrush, Bicknell's
- Hylocichla minima aliciae. *See* Thrush, Gray-cheeked
- Hylocichla mustelina. *See* Thrush, Wood
- Hylocichla ustulata swainsoni. *See* Thrush, Olive-backed
- Hyperdactyly in Kestrel (rev.), x. 50
- Hypnosis, animal, interpretation (rev.), x. 51
- Ibis, Glossy, age, vii. 89
- Ibis, White
External parasites from, vii. 11
Nesting, ix. 164
Recovery, ix. 85
- Ibis, Wood, external parasites from, vii. 11
- Icteria virens. *See* Chat, Yellow-breasted
- Icterus galbula. *See* Oriole, Baltimore
- Icterus spurius. *See* Oriole, Orchard
- Ictinia mississippiensis. *See* Kite, Mississippi
- IMLER, RALPH H.
Methods of taking birds of prey for banding, viii. 156-160
Weights of birds of prey of western Kansas, viii. 166-169
- IMLER, R. H. and F. B. McMURRY
Sex ratio and weight of Crows wintering in Oklahoma (rev.), xi. 75
- Imping as a marking method (rev.), xi. 25
- Incubation period
African birds (rev.), xi. 177
Data wanted, xi. 126
Ducks (rev.), x. 45
Relation to volume of eggs (rev.), xi. 72
- Indicator indicator. *See* Honey-guide
- INGRAHAM, SYDNEY E.
Instinctive music (rev.), x. 52
- Injury-feigning in birds, discussions (rev.), vii. 181
- Injury-feigning, Piping Plover (rev.), x. 137
- Insects, birds as a factor in control (rev.), xi. 180
- Instinct and experience (rev.), x. 136
- Isle of May bird observatory (rev.), x. 44
- Instinctive behavior in birds, ix. 214
- Iridoprocne bicolor. *See* Swallow, Tree
- ISLEY, F. B.
Survival value of acridian protective coloration (rev.), x. 56
- Ixobrychus exilis. *See* Bittern, Least
- Jackdaw
Counting exp. (rev.), xi. 121
Nestling behavior, x. 138
Nesting its first year (rev.), xi. 65
- JACOBS, J. WARREN
Eastern Cowbird vs. Kentucky Warbler (rev.), ix. 212
- JACQUES, FLORENCE PAGE
Canoe country (rev.), x. 58
The geese fly high (rev.), xi. 35

- Jaegar, Parasitic, external parasites from, vii. 16
- JÄGERSKIÖLD, L. A.
Göteborg's Natural History Museum's ringing of birds in 1937 (rev.), x. 91; do, 1938, xi. 63
- JAHN, H.
Biology of Japanese Paradise Flycatcher (rev.), x. 169
- JARVIS, C. S.
When migrating birds get south (rev.), vii. 52
- Jay, Blue
Age, viii. 35, 58; ix. 104, 199
External parasites from, vii. 19
Migration, vii. 170; viii. 79
Psychological development, ix. 111
Weights, ix. 4
- Jay, California, ages, recoveries and returns, viii. 149
- Jay, Canada, ages and returns, viii. 149
- Jay, Steller's, ages, recoveries and returns, viii. 149
- JENSEN, MAX S.
Sharp-tailed Grouse in Utah (rev.), ix. 107
- Jewel Fish, social behavior (rev.), xi. 33
- JIRSIK, J. and ING. KADLEC
Bandring in Czechoslovakia (1937) (rev.), x. 44
- JOHNSON, ARCHIBALD
Incubation behavior of *Lanius ludovicianus* in North Dakota, x. 118
Nest building behavior in Loggerhead Shrike group (N. D.) (rev.), x. 97
- JOHNSON, R. A.
Predation of gulls in Murre colonies (rev.), x. 49
Present range, migration and abundance of Atlantic Murre in North America, xi. 1-17
- JOHNSTON, I. H.
Crooked-Bill. Life of a Quail (rev.), viii. 188
- JONES, FREDERIC WOOD
Breeding of Short-tailed Shearwater (rev.), viii. 87
- JOST, F.
Nest life of White-backed Woodpecker (rev.), ix. 59
- JOURDAIN, F. C. R., co-author
Handbook of British Birds. Crows to Flycatchers (rev.), ix. 169
"Injury-feigning" in birds (rev.), vii. 181; viii. 185
Winter habits of Green Woodpecker (rev.), vii. 136
- JOY, NORMAN H.
How to know British Birds (rev.), vii. 137
- Junco hyemalis*. See *Junco*, Slate-colored
- Junco oreganus*. See *Junco*, Oregon
- Junco*, Oregon, mgr. exp. (rev.), xi. 113
- Junco*, Slate-colored
Age, ix. 100, 160; x. 161 (rev.); x. 125
External parasites from, vii. 26
Feeding time, viii. 174
Mallophaga on, xi. 23
Recoveries, viii. 127; ix. 189
Returns, x. 14; ix. 100
Weights, ix. 5
- JUNGE, G. C. A.
Bandring results from National Museum of Natural History at Leiden (rev.), vii. 52; ix. 203
- Jynx torquilla*. See Wryneck
- KADLEC, OTTO
Fourth banding report of the Czechoslovakian Ornithological Society for the year 1938 (rev.), xi. 63
- KALELA, OLAVI
Regional distribution of breeding birds in the flood valley of the Kokemäenjoki (Finland) (rev.), x. 53
- KALELA, O., co-author
Changes in the Avifauna of Finland (rev.), ix. 63
- KALMBACH, E. R.
Crow-waterfowl relationships (rev.), viii. 180
A comparative study of nesting waterfowl on the Lower Souris Refuge (N. D.), 1936-37 (rev.), x. 94
Nesting success: its significance in waterfowl reproduction (rev.), xi. 30
The crow in its relation to agriculture (rev.), xi. 63
- KEISERLINGK, A. G.
Observations on Bank Swallows (rev.), ix. 110
- KEITH, D. B.
Observations on the Purple Sandpiper in North East Land (rev.), x. 168
Red-throated Diver in North East Land (rev.), viii. 179
- KELLOGG, P. P., co-author
Observations of Ivory-billed Woodpecker (rev.), viii. 131
- KELLOGG, P. PAUL. See Brand, Albert R.
- KELSO, LEON
Antipathy in Screech Owl (rev.), xi. 120

- KENDEIGH, S. C.
 Relation of metabolism to the development of temperature regulation in birds (rev.), xi. 74
- KENDEIGH, S. C., co-author
 Yearly abundance of passerine birds (rev.), viii. 93-94
 Variations in weight of birds (rev.), ix. 207
- KENDRICK, HUGH
 A study of Blue Tit by color ringing (rev.), xi. 112
- KENNEDY, P. S.
 Roosting habits of Tree Creeper (rev.), vii. 176
- Kestrel
 Age, vii. 89, 173
 Colony nesting (Germany) (rev.), x. 46
 Hyperdactyly (rev.), x. 50
 Nesting, vii. 133
 Weights, ix. 9
- Killdeer
 External parasites from, vii. 15
 Recoveries, vii. 122
- KING, ELEANOR and WELLMER PSELLS
 Working with nature (rev.), xi. 36
- KING, RALPH T.
 Essentials of wildlife range (rev.), x. 102
 Ruffed Grouse Management (rev.), viii. 186
- Kingbird, Arkansas, external parasites from, vii. 19
- Kingbird, Eastern
 External parasites from, vii. 19; viii. 162-163
 Recovery, viii. 147
- Kingfisher, Belted
 External parasites from, vii. 18
 Nesting habits, ix. 161
 Recoveries, viii. 145
- Kingfisher, European
 Egg-breaking habit (rev.), viii. 38
 Nesting habits, ix. 161
- Kingfisher, story of (rev.), x. 105
- Kinglet, Golden-crowned
 External parasites from, vii. 22
 Ret., x. 13
- Kinglet, Ruby-crowned
 External parasites from, vii. 22
 Weights, ix. 6
- KINSEY, E. C.
 Parental instincts in Black Phoebes (rev.), vii. 58
- KIRKMAN, F. B.
 Bird behavior. Study of Black-headed Gull (rev.), viii. 187
 Black-headed Gulls incubating for 75 days (rev.), xi. 178
- Kite, Black, nesting, vii. 132
- Kite, Mississippi, in spring (rev.), x. 130
- Kite, White-tailed, nesting (rev.), xi. 116
- Kittiwake, recov. in Nfld. (rev.), x. 93
- Kivu, water birds (rev.), x. 55
- KLOCKARS, B.
 Quantitative study of winter bird populations (rev.), viii. 95
- KLUIJVER, H. N.
 Homing of Starlings (rev.), vii. 91
 Importance of Starling in agriculture (rev.), x. 100
 Nesting colony of Starlings (rev.), vii. 53
 Starlings in relation to a spruce planting (rev.), x. 100
 Variability of wing length in a ringed population of Great Tits (rev.), xi. 25
- KNAAK, KURT
 Ti-it, the story of a Kingfisher (rev.), x. 105
- KNAPPEN, PHOEBE. *See* Cottam, Clarence
- Knot, American, external parasites from, vii. 15
- KOCH, LUDWIG, co-author
 Songs of wild birds (rev.), viii. 43
- KOHLER, O., co-author
 Breeding behavior of Ringed Plover (rev.), viii. 87
- KOFOID, C. A., co-author
Heramita sp. in Turkeys in California (rev.), ix. 219
- KORTLANDT, A.
 Postures and voice in the Cormorant (rev.), ix. 213
- KRÄTZIG, H.
 Early summer migration of the Starling (rev.), vii. 90
 Studies on behavior of Ptarmigan during development (rev.), xi. 116
 Studies on biology and behavior of Hazel Hen (rev.), xi. 116
- KUENEN, D. J. *See* Tinbergen, N.
- KUERZI, RICHARD G.
 Banded Terns, Black Skimmers and Gulls at Ft. Pierce, Florida, during January, 1938, ix. 198
- KUHLEMANN, P.
 Observations on a Common Tern raised by Herring Gulls (rev.), x. 173
- Kumpan and Song Sparrow (rev.), x. 174
- Labrynth, experiments (rev.), x. 51

- LACK, D. *See also* Fisher, James
 Behavior of Robin (rev.), xi. 30;
 xi. 176
 Bird census and bird population
 problems (rev.), viii. 185
 Courtship feeding (rev.), xi. 120
 Display of Blackcock (rev.), xi. 32
 Function of the Goldcrest's Crown
 (rev.), viii. 183
 Observations on captive Robins
 (rev.), xi. 120
 Psychological factor in bird distri-
 bution (rev.), ix. 62
 Releaser concept of bird behavior
 (rev.), xi. 120
 Skokholm Bird Observatory homing
 experiments, 1936-37 (rev.), ix. 105
 Territory and polygamy in Bishop-
 bird (rev.), vii. 137
- LACK, D. and J. T. EMLEN, JR.
 Observations on breeding behavior
 in Tri-colored Redwings (rev.),
 xi. 29
- LACK, D. and L. S. V. VENABLES
 Habitat distribution of British wood-
 land birds (rev.), x. 175
 Heathland birds of South Haven
 Peninsula, Studland Heath, Dorset
 (rev.), viii. 185
 Territory in Great Crested Grebe
 (rev.), vii. 178
- LAGLER, KARL F. *See also* Salyer, J. C.
 Control of fish predators at hatcheries
 and rearing stations (rev.), xi. 35
- Lagopus lagopus. *See* Ptarmigan,
 Willow
- Lagopus mutus. *See* Ptarmigan
- Lagopus scoticus. *See* Grouse, Red
- LANDAUER, W.
 Hatchability of chicken eggs (rev.),
 viii. 183
- Landrail, banded, nesting and incu-
 bation period (rev.), viii. 37
- LANG, ERNST M.
 Report on nesting biology of Snow
 Finch (rev.), xi. 69
- LANGLOIS, T. H.
 Social behavior of Bass in rearing
 ponds (rev.), ix. 164
- Lanius borealis. *See* Shrike, Northern
- Lanius collurio. *See* Shrike, Red-backed
- Lanius ludovicianus gambeli. *See*
 Shrike, California
- Lanius ludovicianus ludovicianus. *See*
 Shrike, Loggerhead
- Lanius ludovicianus migrans. *See*
 Shrike, Migrant
- Lapland
 Habitat selection in birch wood (rev.),
 xi. 34
 Winter in (rev.), x. 54
- Lapwing
 Age, viii. 36
 Migration, ix. 105
 On a Surrey farm (rev.), x. 102
 Recoveries, vii. 88; ix. 159
 Report on (rev.), x. 101
 Weights, ix. 9
- Lark, Desert Horned, habits and nest
 life (rev.), vii. 134
- Lark, Horned
 Returns, viii. 148; ix. 187
 Weights, ix. 8
- Lark, Prairie Horned
 External parasites from, vii. 19
 Weights, ix. 8
- Larus argentatus. *See* Gull, Herring
- Larus argentatus smithsonianus. *See*
 Gull, Herring
- Larus atricilla. *See* Gull, Laughing
- Larus californicus. *See* Gull, California
- Larus delawarensis. *See* Gull, Ring-
 billed
- Larus fuscus. *See* Gull, Lesser Black-
 backed
- Larus hyperboreus. *See* Gull, Glaucous
- Larus marinus. *See* Gull, Great Black-
 backed
- Larus occidentalis. *See* Gull, Western
- Larus philadelphia. *See* Gull, Bona-
 parte's
- Larus pipixcan. *See* Gull, Franklin's
- Larus ridibundus. *See* Gull, Black-
 headed
- LASKEY, AMELIA R.
 Banding brevities—No. 14 (rev.),
 xi. 25
 Bertram, A blackbird with person-
 ality (rev.), xi. 69
 Bird-banding brevities (rev.), viii.
 128; ix. 159
 Indigo Bunting returns at Nashville,
 Tennessee, vii. 171
 Maryland Yellow-throat age record,
 vii. 172
 Mockingbird life history studies
 (rev.), vii. 54; viii. 90
 Some unusually large broods; scarcity
 of late nests (rev.), x. 49
 Song of immature birds (rev.), ix. 165
 Study of nesting Eastern Bluebirds,
 x. 23-32
- Latitude and breeding season (rev.),
 x. 174

- LAVEN, HANNES
 Biology of Ringed Plover (rev.), xi. 176
 Breeding biology of Ringed Plover (rev.), ix. 209
- LAY, DANIEL W.
 How valuable are woodland clearings to birdlife? (rev.), x. 102
- LEACH, E. P. *See* Witherby, H. F.
- LEBEURIER, E., co-author
 Biology of British Stonechat (rev.), vii. 92
 Life History of Chaffinch (rev.), viii. 182
- LEHRMANN, H.
 Heath Hen of the South (rev.), xi. 65
- LEONARD, S. L.
 Induction of singing in female Canaries by injection of male hormone (rev.), xi. 33
- LEOPOLD, ALDO
 Conservation ethic (rev.), ix. 168
 Leptoptilus crumeniferus. *See* Stork, Maribou
- Leucosticte tephrocotis dawsoni. *See* Finch, Sierra Nevada Rosy
- Leucosticte tephrocotis littoralis. *See* Finch, Hepburn's Rosy
- LEWIS, HARRISON F.
 Duration of colonies of Cliff Swallow (rev.), x. 132
 Migration of American Brant (rev.), viii. 85
 Natural History of Double-crested Cormorant (rev.), vii. 54
 Results from banding European Cormorants, viii. 11-15
 Reverse migration (rev.), x. 91
 Size of sets of egg of American Eider (rev.), x. 100
- LEWIS, STANLEY
 Domestic habits of a pair of Spotted Flycatchers (rev.), ix. 60
- LEWIS, W. S., co-author
 Breeding behavior of Temminck's Stint (rev.), ix. 164
- LICHE, H. *See* Wodzicki, K.
- Light, effect on repr. (rev.), x. 55
- Limicolines, downy young (rev.), xi. 26
- Limnodromus griseus. *See* Dowitcher
- Limosa fedoa. *See* Godwit, Marbled
- Limosa limosa. *See* Godwit, Black-tailed
- Limpkin, external parasites from, vii. 14
- LINCOLN, FREDERICK C.
 Future of Bird Banding in the Americas, vii. 81-82
 Land bird recoveries from Mexico, vii. 170
- LINCOLN, FREDERICK C. (con.)
 Migration of North American Birds (rev.), vii. 90; (rev.), x. 179
 Recoveries of banded birds of prey, vii. 38-45
 Returns of banded birds, vii. 121-127, 139-148. *See also* Lloyd, H.
- Linnet, obs. (rev.), x. 48
- LINSDALE, J. M.
 Bird life in Nevada (rev.), ix. 215
 Coloration of downy young birds (rev.), vii. 134
 Environmental responses of Vertebrates in the Great Basin (rev.), ix. 215
 Preservation of birds in California (rev.), ix. 63
 Natural History of Magpies (rev.), viii. 188
 Summer birds in northern Michigan (rev.), vii. 41
 Waterbirds in California (rev.), ix. 112
- LINSDALE, J. M., co-author
 Vertebrate animals of Point Lobos Reserve (rev.), viii. 136
 Weights of Spotted Towhees (rev.), viii. 179
- LIPPENS, LEON
 Water birds of the Kivu (rev.), x. 55
- LIPPINCOTT, JOSEPH W.
 Animal neighbors of the countryside (rev.), x. 143
- LISTER, M. D.
 An account of the Lapwing population on a Surrey farm (rev.), x. 102
- LLOYD, BERTRAM
 Behavior of male Mallards with broods (rev.), viii. 130
- LLOYD, HOYES
 Banded Kittiwake from Russia recovered in Newfoundland (rev.), x. 93
 Twenty year old Ferruginous Rough-legged Hawk (rev.), ix. 106
- LLOYD, H., J. ZINSER and F. C. LINCOLN
 What is the status of waterfowl? (rev.), x. 103
- Lobipes lobatus. *See* Phalarope, Northern
- LOCKLEY, R. M.
 Birds of the Green Belt and Country around London (rev.), vii. 137
 I know an island (rev.), x. 104
 Further homing experiments with Manx Shearwaters in 1939. My island and our life there (rev.), xi. 114

- LOCKLEY, R. M. (*con.*)
 Skokholm Bird Observatory report for 1937 (rev.), ix. 104
 Skokholm Bird Observatory report for 1939 (rev.), xi. 112
- LOCKLEY, R. M., co-author
 Skokholm Bird Observatory homing experiments, 1936-37 (rev.), ix. 105
- Locustella luscinioides. *See* Warbler, Savi's
- LÖNNBERG, E.
 Notes on migration of Swedish birds (rev.), x. 91
- LONG, WM. H.
 Apparatus for measuring metabolism and activity in wild animals (rev.), xi. 74
- LONG, WM. H. *See also* Gerstel, R.
- Longspur, Chestnut-collared, in Colo. (rev.), x. 98
- Longspur, Lapland
 Biology (Russia) (rev.), xi. 119
 Return, ix. 189
- LOOFF, HARRY B.
 Returns of Golden-crowned and Fox Sparrows to breeding grounds on Kodiak Island, Alaska, x. 85-88
- Loon, Common
 External parasites from, vii. 10
 Recovery, ix. 184
- Loon, Red-throated, breeding behavior (rev.), viii. 179
- Lophortyx californica vallicola. *See* Quail, Valley
- Lophortyx gambeli. *See* Quail, Gambel's
- LORENZ, KONRAD Z.
 Companion in the Bird's World (rev.) viii. 183
 Conception of instinct (rev.), ix. 214
 Contribution to comparative sociology of colonial-nesting birds (rev.), x. 99
 Pair formation in Raven (rev.), xi. 119
- LORENZ, K. and N. TINBERGEN
 Taxic and instinctive action in egg rolling reaction of Graylag (rev.), x. 136
- LOTT, WILLIAM
 Flicker with a family of Starlings, x. 90
- Louisiana
 Bird banded at Avery Island, xi. 105-109
 Bird life of (rev.), x. 57
 Effect of severe cold (rev.), xi. 180
- Loxia curvirostra. *See* Crossbill, Red
- LÜDERS, O.
 Banded birds as prey of raptorial birds (rev.), vii. 131
 Banding results with Goshawk (Germany) (rev.), x. 163
- Luscinia luscinia. *See* Nightingale-Thrush
- LUTHERMAN, C. Z. *See* Allee, W. C.
- LYON, WILLIAM I.
 Albinistic Herring Gulls, ix. 102
 Proposing a change in the inscription on bird bands, vii. 51
 Where do the migrating birds go? (rev.), vii. 89
- Lyre Bird, nesting habits and territory, ix. 170
- Lyrurus tetrix britannicus. *See* Black-cock
- MCATEE, W. L.
 "Anting" by birds (rev.), ix. 111
 Excluding birds from reservoirs and fish ponds (rev.), viii. 42
 An experiment in songbird management (rev.), xi. 177
 Malthusian principle in Nature (rev.) vii. 183
 Wildfowl food plants, their value, propagation and management (rev.), x. 105
 Wildlife of the Atlantic Coast salt marshes (rev.), x. 141
- MCCABE, THOMAS T.
 Review of territory, annual cycle and numbers in population of Wren-tits ix. 136-139
 Reviews of books and articles, vii. 97, 137, 174, 179-183; viii. 35-41, 85-96, 129-134, 179-186; ix. 58-63, 107-112, 167-170, 205-218
- MCCLANAHAN, R. C.
 Original and present breeding ranges of certain game birds in the United States (rev.), xi. 123
- MCCLURE, H. E.
 Cooing activity and censusing of Mourning Dove (rev.), xi. 34
- MCILHENNY, EDWARD A.
 Alligators interfere with duck-banding, viii. 34-35
 An early experiment in homing ability of wildfowl, xi. 60
 Effect of excessive cold on birds in southern Louisiana (rev.), xi. 180
 Florida Crane, a resident of Mississippi (rev.), x. 45
 Life-history of Boat-tailed Grackle in Louisiana (rev.), viii. 182

- McILHENNY, EDWARD A. (*con.*)
 Record of birds banded at Avery Island, Louisiana during the years 1937-39, xi. 105-109
 Results of 1936 bird banding operations at Avery Island, Louisiana, viii. 117-121
 Sex ratios in wild birds (rev.), xi. 74
- McKENNY, MARGARET
 Birds in the garden and how to attract them (rev.), xi. 76
- McKEOWN, KEITH C.
 Food of Australian birds (rev.), viii. 40-41
- MACLAREN, P. I. R. *See* Arnold, E. L.
- MACLATCHY, A. R.
 The Crowned Eagle (rev.), viii. 130
- MCLEOD, J. A.
 Two new Schistosomid Trematodes from Water-birds (rev.), ix. 115
- MACLULICH, D. A.
 Fluctuations in numbers of Varying Hare (rev.), ix. 112
- McMILLAN, NEIL T.
 Birds and the wind (rev.), x. 92
- McMURRY, F. B. *See* Imler, R. H.
- MADON, P.
 Impoverishment of Faunas (rev.), viii. 42
- MAGEE, M. J.
 Average age of Purple Finch, vii. 161-162
 Notes on returns of Eastern Purple Finch and their sex ratio, xi. 110
 Notes on sex ratio and age of Eastern Evening Grosbeak, x. 161
 Sex ratio of Purple Finch, ix. 199
 Some bird-banding notes (rev.), x. 165
 Wing molt in Purple Finches, vii. 73-76
- Magpie, American, return, viii. 149
- Magpie, European, geographic range and abundance in North Britain, ix. 210
- Magpies
 Natural history, viii. 188
 Weights, ix. 7
- MAIN, JOHN S.
 Dance of the Prairie Chicken (rev.), viii. 131
 Relation of temperature to early migrants (rev.), x. 44
- Maine, birds of Lake Umbagog (rev.), x. 57
- MAKATSCH, WOLFGANG
 Der Brutparasitismus der Kuckucks-vögel (rev.), ix. 64
- MAKKINK, G. F.
 Ethogram of European Avocet (rev.), vii. 180
 Malaria in birds, ix. 12-31
- Mallard, Common
 Age, viii. 35; ix. 185
 Association of drake with duck and young (rev.), x. 172
 Banding studies of semi-domesticated, vii. 69-72
 Behavior, viii. 130
 External parasites from, vii. 11
 Homing ability, xi. 58
 Hybridism, vii. 119
 Incubation period (rev.), x. 45
 Migr. speed, xi. 21
 Migratory behavior in East Prussia, ix. 205
 Nesting studies in Utah, ix. 205
 Parasites, internal (rev.), x. 59
 Recoveries, ix. 185, 205; xi. 59, 110
 Story of (rev.), x. 105
- Mallophaga, vii. 183; viii. 127; ix. 66; dissemination, xi. 23
- Manacus vitellinus. *See* Manakin, Gould's
- Manakin, Gould's, behavior, vii. 57
- MANGELS, FREDERICK P.
 Colored bands: methods for using bands and arranging data, ix. 94-97
- Man-o-War (rev.), xi. 26
- Manual of ornithology (rev.), x. 106
- MANWELL, REGINALD D.
 Homing instinct of Song Sparrows, vii. 128-129
 Reciprocal immunity in Avian malarias (rev.), ix. 116
- MARCHANT, S.
 Irish Gannet colonies, 1938 (rev.), x. 141
- Mareca americana. *See* Baldpate
- MAROLD, E.
 Counting experiments with Shell Parakeets (rev.), xi. 121
- MARPLES, GEORGE
 Behavior of Starlings at nesting site (rev.), vii. 177
 Diurnal song of birds (rev.), x. 171
 Observations on breeding and song of Wren (Gr. Br.) (rev.), xi. 117
 Song of the Mistle-Thrush (rev.), viii. 132
- MARPLES, GEORGE, co-author
 Sea Terns or Sea Swallows (rev.), vii. 59
- MARSHALL, F. H. A.
 Sexual periodicity and causes which determine it (rev.), viii. 136

- MARSHALL, JOE T., JR.
Territorial behavior of Flammulated Screech Owl (rev.), x, 132
- MARSHALL, W. H., co-author
Sharp-tailed Grouse in Utah (rev.), ix, 107
- MARTIN, A. C. and F. M. UHLER
Food of game ducks in the United States and Canada (rev.), x, 140
- Martin, Bank (Africa), x, 169
- Martin, House
Family group, viii, 181
Homing experiments, vii, 90, 131
In Silesia (rev.), x, 47
Migration, ix, 204
Nesting (rev.), xi, 27
- Martin, Purple
Age, viii, 58, 148
External parasites from, vii, 19
Recoveries and returns, viii, 148; ix, 188
- Martin, Rock (Africa), x, 169
- Martin, Sand, nesting (rev.), xi, 28.
See also Swallow, Bank
- MASON, A. G.
Experiments with Cornerakes (rev.), xi, 117
- MASON, EDWIN A.
Determining sex in breeding birds, ix, 46-48
Loggerhead Shrike captures Field Sparrow in mid-air, ix, 103
Migrating Swamp Sparrows at Groton, Mass., ix, 157
Parasitism of Birds' nests by proto-calliphora, vii, 112-120
Recovery of a roaming Eastern Purple Finch, x, 43
- Massachusetts, 11 years birding (rev.), x, 141
- MAYFIELD, GEORGE
Mixed flocks in autumn (rev.), ix, 62
- MAYNARD, VERA
Bird population of an area in Sussex (rev.), viii, 94
- MAYR, ERNST
Homing of birds (rev.), viii, 86
Sex ratio in wild birds (rev.), x, 175
- Meadowlark
External parasites from, vii, 24
Intimidation display, ix, 111
- Megaceryle alcyon. *See* Kingfisher, Belted
- Megalornis grus. *See* Crane, European
- MEINERTZHAGEN, COLONEL R.
Winter in Arctic Lapland (rev.), x, 54
- Melanerpes erythrocephalus. *See* Woodpecker, Red-headed
- Melanitta deglandi. *See* Scoter, White-winged
- Melopelia asiatica. *See* Dove, White-winged
- Melospiza georgiana. *See* Sparrow, Swamp
- Melospiza lincolni. *See* Sparrow, Lincoln's
- Melospiza melodia. *See* Sparrow, Song
- MELZAR, H. P.
Evening Grosbeak recoveries at Milford, N. H., viii, 82
- MENDALL, HOWARD L.
Food habits of the Herring Gull in relation to fresh-water game fishes in Maine (rev.), xi, 74
Nest-building instinct in immature Double-crested Cormorant (rev.), vii, 136
Technique for banding Woodcock, ix, 153-155
Nesting of Bay-breasted Warbler (rev.), ix, 61
- Menura novaehollandiae. *See* Lyre Bird
- MERCUR, MARGARET S.
Cardinal pathology (rev.), viii, 87
- Merganser, American
Food and habits (rev.), xi, 123
Natural history and economic importance, ix, 168
- Merganser, Red-breasted
External parasites from, vii, 12
Polygamy, vii, 55, 89
- Mergus americanus. *See* Merganser, American
- Mergus serrator. *See* Merganser, Red-breasted
- MERKEL, F. W.
Physiology of the Migration Drive (rev.), ix, 55
Physiology of migration in birds (rev.), x, 44-45
- MEYLAN, OLIVIER
Ornithological exploration of the Dombes (rev.), ix, 216
- MICHENER, H. and J. R.
Abnormalities in birds (rev.), vii, 131
Bars in flight feathers (rev.), ix, 204
Hawks at banding station (rev.), ix, 106
Moult of House Finches in the Pasadena region, California (rev.), xi, 115
Variation in song of male Mockingbird (rev.), vii, 133
- Micropalama himantopus. *See* Sandpiper, Stilt
- Micropus caffer. *See* Swift
- Micropus melba. *See* Swift, Alpine
- Micropus pacificus. *See* Swift, Fork-tailed

- MIDDLETON, A. D., co-author
 Food of adult Partridges in Great Britain (rev.), ix. 111
 Populations of Partridges in Great Britain (rev.), viii. 94; ix. 111
- MIDDLETON, RAYMOND J.
 Crested Flycatchers mated for three consecutive years, vii. 171
 Length of stay of migratory birds in southeastern Pennsylvania, x. 145
 Returns and recoveries of birds, banded at Norristown, Pa. ix. 97
- Migration
 Effect of temperature (rev.), x. 44
 Experiments (rev.), xi. 113
 Kent Island Herring Gulls (rev.), xi. 129-155
 Length of stay during, x. 145
 Of North American birds (rev.), x. 177
 Over oceans (rev.), x. 163
 Physiology of (rev.), x. 44-45
 Rel. of castration, x. 122
 Rel. to sex glands (rev.), x. 44; xi. 113
 Reverse (rev.), x. 91, 92
 Sex and age rel. at lighthouses (rev.), xi. 63
 Speed, xi. 21
 Starling (Italy) (rev.), x. 163
 Transportation (rev.), x. 164
 Winter movement (rev.), xi. 25
- Migration studies—reviews, vii. 51, 90, 173-175; viii. 35-36, 84-86, 177-178; ix. 55-56, 105, 159, 204-205
- MIKHEEV, A. V.
 Biology of the Lapponian Bunting (rev.), xi. 119
- MILLER, JESSE V.
 Bronzed Grackle six-year-old return, viii. 127
- MILLER, LOYE
 Singing of Mockingbird (rev.), x. 52
 Song of Western Wood Pewee (rev.), x. 138
- MILLER, R. S.
 Stubble Quail and Brown Quail in Victoria (rev.), ix. 216
- MILNE, H. V.
 Black Honeyeater (rev.), ix. 212
- Milvus migrans. *See* Kite, Black
- Mimus polyglottus. *See* Mockingbird
- Mistle-Thrush, Song of (rev.), viii. 132
- MITCHELL, MARGARET H.
 Passenger Pigeon in Ontario (rev.), viii. 96
- Mniotilta varia. *See* Warbler, Black and White
- Mockingbird
 Age, viii. 60
 Behavior, viii. 90, 128; ix. 159
 External parasites from, vii. 20
 Four broods in one season (rev.), x. 49
 Life history studies (rev.), vii. 54
 Morning awakening time, viii. 81
 Recovery, ix. 188
 Song, x. 52
 Variation in song of males, vii. 133
 Wintering in Vt., x. 90
- MOFFITT, JAMES
 Waterfowl in the Suisun area, California (rev.), ix. 165
- MOGALL, KARL
 Observations on Titmouse population in Revierforsterei Braach (rev.), x. 133
- MOLNAR, B.
 Great Reed Warbler and Cuckoo (rev.), xi. 117
- Molothrus ater. *See* Cowbird
- MONCRIEFF, PERRINE
 New Zealand birds and how to identify them (rev.), viii. 97
- Montifringilla nivalis. *See* Finch, Snow
- MOORE, G. C. *See* Pearson, A. M.
- Moor-hen
 Homing experiments, viii. 36
 Nesting (rev.), x. 46, 95, 131
 Territorial behavior, viii. 39
- MOREAU, R. E.
 Biological notes on East African birds (rev.), viii. 89
 Biology of Musophagiformes, the so-called Plantain-eaters (rev.), x. 46
 Bird-migration over the northwestern part of Indian Ocean, Red Sea and Mediterranean (rev.), x. 163
 Breeding biology of East African Hornbills (rev.), viii. 130; ix. 161
 Breeding seasons of birds in East African evergreen forest (rev.), viii. 91
 Bird-Insect nesting associations (rev.), vii. 182
 Numerical data on African birds' behavior at the nest: *Hirundo s. smithii* Leach, the Wire-tailed Swallow (rev.), xi. 67
 Parental care by some African Swallows and Swifts, x. 169
- MOREAU, R. E. and W. M.
 Comparative breeding ecology of two species of Euplectes (Bishop Birds) in Usambara (rev.), x. 97
 Incubation and fledgeling periods of African birds (rev.), xi. 177

- MOREAU, R. E. and W. M. (*con.*)
 Observations on some East African birds (rev.), x. 128
 Observations on Sand Martins at the nest (rev.), xi. 28
 Observations on Swallows and House Martins at the nest (rev.), xi. 27
- MORIS bassana. *See* Gannet
- MORLEY, AVERIL
 Activities of resident Blackbirds in winter (rev.), viii. 184
 Rising and roosting of a pair of resident Starlings in winter and early spring (rev.), x. 172
 Winter behavior of Moor-hens (rev.), viii. 39
- MORRIS, PERCY A.
 Nature photography around the year (rev.), x. 142
- MOTACILLA alba yarrellii. *See* Wagtail, Pied
- MOTACILLA cinerea. *See* Wagtail, Grey
- MOTACILLA flava. *See* Wagtail, Yellow
- Moult, House Finch (rev.), xi. 115
- MOUNTFORT, G. R.
 How a small banding station functions (rev.), vii. 130
 Skylark carrying a young bird (rev.), x. 173
 Territorial behavior in Wood Warbler (rev.), vii. 56
- Mouse, influence on hawks and owls (rev.), x. 54
- MOUSLEY, HENRY
 Further notes on nesting habits of Virginia Rail (rev.), xi. 176
 Home life of Belted Kingfisher (rev.), ix. 161
 Nesting behavior of Wilson's Snipe and Spotted Sandpiper (rev.), x. 136
 Nesting habits of Spotted Sandpiper (rev.), ix. 62
- MUNRO, J. A.
 Northern Bald Eagle in British Columbia (rev.), ix. 164
- MUNRO, J. A., co-author
 American Merganser in British Columbia (rev.), ix. 168
- MURCHISON, CARL
 Social hierarchy in *Gallus domesticus* (rev.), viii. 90
- MURIE, OLAUS J.
 Food habits of Northern Bald Eagle in the Aleutian Islands, Alaska (rev.), xi. 180
- MURPHY, R. M.
 Man-o-War (rev.), xi. 26
- Murres, Atlantic in N. Am., xi. 1-17
 Robbed by gulls (rev.), x. 49
- Muscicapa hypoleuca. *See* Flycatcher, Pied
- Muscicapa striata. *See* Flycatcher, Spotted
- Music, instinctive (rev.), x. 52
- Musophagiformes. *See* Plantain-eaters
- MUSSELMAN, T. E.
 Effect of cold snaps upon nesting of Eastern Bluebird, x. 33-35
- MUSSELWHITE, D. W. *See* Nethersole-Thompson
- Myiochanes richardsoni. *See* Pewee, Western Wood
- NAGEL, WARNER O.
 Welding celluloid bands, ix. 103
- NAGEL, WARNER O., co-author
 Resident game and furbearers of Missouri (rev.), viii. 188
- Nannopterum harrisi. *See* Cormorant, Flightless
- Nannus hiemalis. *See* Wren, Winter
- National Parks, book on, xi. 124
- NEFF, J. A.
 Nesting distribution of Tricolored Red-wing (rev.), viii. 132
 Range, population and game status of Western White-winged Dove in Arizona (rev.), xi. 122
- Neophema bourkii. *See* Parrakeet, Bourke's
- Nesting studies, Bluebird, x. 23-32, 33-35
- Nestling weights (rev.), x. 166
- NETHERSOLE - THOMPSON, CAROLINE and DESMOND
 Some observations on the sexual-life, display and breeding of Red Grouse in Inverness-shire (rev.), x. 94
- NETHERSOLE-THOMPSON, D. and D. W. MUSSELWHITE
 Male Rook incubating (rev.), xi. 178
- Nettion carolinense. *See* Teal, Green-winged
- New Hampshire, birds at Concord (rev.), x. 57
- NICE, CONSTANCE
 Reviews by, ix. 65, 170
- NICE, MARGARET MORSE
 Biological significance of bird weights, ix. 1-11
 Ninth International Ornithological Congress, ix. 190-195
 Observations on behavior of a young Cowbird (rev.), xi. 70
 Reviews by, viii. 51-60, 88-97, 130-137, 173-184; viii. 35-44, 84-97, 127-138, 177-189; ix. 55-66, 103-116, 159-172, 203-218

- NICE, MARGARET MORSE (*con.*)
 Social Kumpan and Song Sparrow (rev.), x. 174
 Studies in Life History of the Song Sparrow (rev.), viii. 137-138
 "Territorial song" and non-territorial behavior of Goldfinches in Ohio (rev.), x. 171
 Two nests of Mourning Dove (rev.), ix. 107
 The watcher at the nest (rev.), x. 143
 What determines the time of the Song Sparrows awakening song? (rev.), x. 172
- NICHOLS, JOHN T.
 Starling movements at a given station, viii. 76
- NICHOLSON, D. J.
 Notes on breeding of Ground Dove in Florida (rev.), viii. 181
- NICHOLSON, E. M.
 Index of Heron population 1938 (rev.), x. 54
 Report on Lapwing habitat enquiry (rev.), x. 101
 Songs of Wild Birds (rev.), viii. 43
- NICHOLSON, E. M. and J. FISHER
 Bird census of St. Kilda (rev.), xi. 179
- NIEDRACH, ROBERT J. *See also* Bailey, A. M.
- NIEDRACH, ROBERT J. and ROBERT B. ROCKWELL
 Birds of Denver and mountain parks (rev.), xi. 77
- NIETHAMMER, GÜNTHER
 Handbook of German Birds. I. Passeres (rev.), viii. 187
 Handbook of German birds, II (rev.), x. 57
- Nighthawk
 Age, ix. 187
 External parasites from, vii. 18
 Recoveries, ix. 187
- Nighthawk, Texas, biology (rev.), x. 46-47
- Night Heron, Black-crowned colonies on L. I. (rev.), x. 53
- Nightingale, Thrush, nesting (rev.), x. 133
- Nightjar, nest life, ix. 108
- NOBLE, G. K.
 Courtship and sexual selection of Flicker (rev.), vii. 179
 Experimental animal from the naturalist's point of view (rev.), xi. 71
 Neural basis of social behavior in vertebrates (rev.), xi. 33
 Role of dominance in social life of birds (rev.), x. 173
- NOBLE, G. K. (*con.*)
 Sexual selection among fishes (rev.), x. 55
 Social behavior of Black-crowned Night Heron (rev.), ix. 109-110
- NOBLE, G. K. and B. CURTIS
 Social behavior of Jewel Fish (rev.), xi. 33
- NOBLE, G. K. and D. S. LEHRMAN
 Egg recognition by Laughing Gull (rev.), xi. 71
- NOBREGA, P., co-author
 Diseases of birds (rev.), ix. 66
- NOLL, HANS
 Bird life in swamps (Switzerland) (rev.), x. 105
 Observations on the Capercaillie (rev.), ix. 161
- NORDBERG, SVEN
 Biological - ecological investigations on the fauna of birds nests (rev.), ix. 116
- NORRIS, R. T., J. D. BEULE and A. T. STUDHOLME
 Banding woodcocks on Pennsylvania singing grounds (rev.), xi. 113
- Nucifraga caryocatactes macrorhynchus. *See* Nutcracker, Siberian
- Nucifraga columbiana. *See* Nutcracker, Clark's
- Numenius americanus. *See* Curlew, Long-billed
- Numenius arquatus. *See* Curlew, Common
- Nutcracker, Clark's, returns, viii. 150
- Nutcracker, Siberian, invasion across Germany (rev.), viii. 36
- Nuthatch, European
 Nesting data, vii. 93; ix. 214
 Nest life (rev.), x. 47
 Weights of young, ix. 208
- Nuthatch, Pigmy, age and return, viii. 152
- Nuthatch, White-breasted
 Age, viii. 60, 151
 Census, viii. 42
 External parasites from, vii. 20
 Mating of a pair for two winters, ix. 55
 Returns, viii. 151
- Nyctea nyctea. *See* Owl, Snowy
- 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 fuligila. *See* Duck, Tufted

- Nyroca marila*. *See* Duck, Greater Scaup
Nyroca valisneria. *See* Canvasback
- OBERHOLSER, HARRY C.**
 Bird life of Louisiana (rev.), x. 57
- OBERLANDER, G.**
 History of a family of Black Phoebes (rev.), x. 168
- Oceanodroma leucorrhea*. *See* Petrel, Leach's
- Offense, taking in birds (rev.), xi. 121
- Oidema fusca*. *See* Scoter, Velvet
- OLDHAM, C.**
 Association of Mallard drake with the duck and young brood (rev.), x. 172
 Redshanks nesting at Tring Reservoirs (rev.), vii. 134
- Old-squaw, external parasites from, vii. 12
- Oporornis formosus*. *See* Warbler, Kentucky
- Orientation
 In Digger-wasp (rev.), xi. 114
 In Gulls, Coot, Sparrow Hawk, Storks and Swallows (rev.), x. 164
- Oriole, Baltimore, external parasites from, vii. 24
- Oriole, Orchard, external parasites from, vii. 24
- ORR, ROBERT T.**
 Observations on nesting of Allen Hummingbird (rev.), x. 95
- OSGOOD, W. H.**, co-author
 Artist and naturalist in Ethiopia (rev.), viii. 97
- Osprey
 Age, vii. 42
 External parasites from, vii. 13
 Migration, vii. 156-160
 Recoveries, vii. 43, 156-160
- Otocoris alpestris leucolaema*. *See* Lark, Desert Horned
- Otocoris alpestris praticola*. *See* Lark, Prairie Horned
- Otus asio naevius*. *See* Owl, Screech
- Otus flammeolus*. *See* Owl, Flammulated Screech
- Ovenbird
 External parasites from, vii. 23
 Life history in southern Michigan (rev.), ix. 56
 Polyandry (rev.), xi. 177
 Return, ix. 99
- Owl, Barn
 Age, viii. 56
 External parasites from, vii. 18
 Pellet analysis, ix. 210
 Recoveries, vii. 43
 Weight, viii. 168
- Owl, Barred
 External parasites from, vii. 18
 Pellet analysis, ix. 210
 Recoveries, vii. 45
- Owl, Burrowing
 External parasites from, vii. 18
 Migration, vii. 166-168
 Nesting, vii. 134
 Recoveries, vii. 44, 167
 Weights, viii. 169
- Owl, Eagle, age, vii. 175
- Owl, European Barn
 Banding results in Germany (rev.), ix. 56
 Biological observations (rev.), ix. 58
 Terragraph at nest, vii. 93
- Owl, Flammulated Screech, terr. (rev.), x. 132
- Owl, Great Horned
 As indicator of vulnerability (rev.), x. 54
 Courtship and nesting (rev.), x. 95
 External parasites from, vii. 18
 Nesting notes (rev.), xi. 67
 Recoveries, vii. 44
 Terr. and pop. (rev.), x. 168
 Weights, viii. 168
- Owl, Little
 Cooperative report in England (rev.), ix. 58
 Weights, ix. 9
- Owl, Long-eared
 Pellet analysis, ix. 210
 Recoveries, vii. 45
- Owl, Saw-whet
 External parasites from, vii. 18
 In Iowa (rev.), x. 95
 Nesting (Calif.) (rev.), x. 95
 Pellet analysis, ix. 210
 Recoveries, vii. 45
- Owl, Screech
 Age, viii. 56
 Behavior (rev.), xi. 120
 External parasites from, vii. 18
 Nesting habits, viii. 183
 Pellet analysis, ix. 210
 Recoveries, vii. 44
 Weights, viii. 168
- Owl, Short-eared
 External parasites from, vii. 18
 Pellet study (rev.), x. 175
 Recoveries, vii. 45
 Weights, viii. 169
- Owl, Snowy
 External parasites from, vii. 18
 Recoveries, vii. 44
- Owl, Tawny
 Fecundity (rev.), xi. 65
 Preying on banded birds, vii. 131
 Weights, ix. 9

- Owls, influence of mice on breeding (rev.), x. 54
- Oxyechus vociferus. *See* Killdeer
- Oyster-catcher, American, external parasites from, vii. 15
- Oyster-catcher, European
Age, vii. 91; ix. 206
Breeding (Gr. Br.) (rev.), xi. 66
Notes from North Sea (rev.), x. 104
- PAATELA, J. E.
Behavior of birds in summer night (rev.), x. 51
- PACKARD, FRED MALLERY
Black-capped Chickadee victimized by Cowbird, vii. 129
Plumages of the Red-wing, vii. 77-80
Some banding records of the Red-wing, vii. 28-37; viii. 139-144
- PAECHNATZ, HERMANN
Daily activity of wintering Long-tailed Tits (rev.), viii. 37
- Pagolla wilsonia. *See* Plover, Wilson's
- PALMER, RALPH S.
Tern mortality along the Maine coast, ix. 117-123
- PALMGREN, P.
Changes in numbers of Golden-crested Wrens (rev.), viii. 84
Daily rhythm of birds in Arctic summer (rev.), vii. 94
Release of spring migration restlessness through warmth in caged Redbreasts (rev.), ix. 55
Studies on time of migration restlessness in caged birds (rev.), ix. 206
Why do birds migrate by night? (rev.), vii. 136
- PALMGREN, P., H. AHLQUIST and E. SYLVIN
Some labyrinth experiments with small birds and mice (rev.), x. 51
- Pandion haliaëtus carolinensis. *See* Osprey
- Paradisæa spp. *See* Bird of Paradise
- Parasites
Blood (rev.), x. 177
External (rev.), x. 177; xi. 23
Internal (rev.), x. 59, 70
List of external, from birds of eastern United States, vii. 9-27
- Parasites of British birds and mammals (rev.), ix. 172
- Parasitism of birds' nests, vii. 112-121
- Parasitological problems, ix. 87-91
- Parental care, African swallows and swifts (rev.), x. 169
- PARHAM, H. J.
Nature lover in British Columbia (rev.), ix. 114
- PARKER, ERIC
Ethics of egg-collecting (rev.), vii. 183
- PARKS, G. HAPGOOD
Banding a Migrant Shrike, x. 90
Group return of White-throated Sparrows, xi. 174
Pair of White-breasted Nuthatches mated for two winters, ix. 55
Tree Sparrows showing a seemingly planned behavior, x. 90
- Parrakeet, Bourke's, biology (rev.), xi. 66
- Parrakeet, Shell, counting exp. (rev.), xi. 121
- Parrot, Rosella, biology (rev.), vii. 184
- Parrot, Song, biology (rev.), ix. 210
- Partridge, Hungarian
Effect of spring drouth on reproduction, ix. 166
External parasites from, vii. 14
Food, ix. 111
Population in Great Britain, viii. 94; ix. 111
- Parus ater. *See* Titmouse, Coal
- Parus caeruleus. *See* Titmouse, Blue
- Parus major. *See* Titmouse, Great
- Parus palustris. *See* Titmouse, Marsh
- Passer domesticus. *See* Sparrow, House
- Passer montanus. *See* Sparrow, European Tree
- Passerculus sandwichensis savanna. *See* Sparrow, Savannah
- Passerella iliaca. *See* Sparrow, Fox
- Passerherbulus caudacutus. *See* Sparrow, Leconte's
- Passerherbulus henslowi. *See* Sparrow, Henslow's
- Passerina ciris. *See* Bunting, Painted
- Passerina cyanea. *See* Bunting, Indigo
- Pastor roseus. *See* Starling, Rose-colored
- PATEFF, P.
Ringed birds recovered in Bulgaria (rev.), vii. 52
- PEARSE, THEED
Polygamy in English Sparrow (rev.), xi. 119
- PEARSON, A. M. and G. C. MOORE
Nesting habits of Mourning Dove in Alabama (rev.), xi. 27
- PEARSON, T. GILBERT
Adventures in bird protection (rev.), viii. 136

- PEATTIE, DONALD CULROSS**
 A Gathering of Birds (rev.), x. 143
 Green Laurels (rev.), viii. 43
 Prairie Grove (rev.), ix. 170
 Singing in the Wilderness (rev.), vii. 60
- PEDERSEN, CARL A.**
 Return records of a Scarlet Tanager, xi. 110
- Pediocetes phasianellus campestris.**
See Grouse, Prairie
- Pediocetes phasianellus columbianus.**
See Grouse, Sharp-tailed
- Pelecanus erythrorhynchos.** *See* Pelican, White
- Pelecanus occidentalis.** *See* Pelican, Brown
- Pelecanus onocrotalus.** *See* Pelican, Rosy
- Pelican, Brown**
 Age, viii. 52
 External parasites from, vii. 10
 Recoveries, vii. 140
- Pelican, Rosy, weights of young, ix. 207**
- Pelican, White, recoveries, vii. 139**
- Pelidna alpina.** *See* Dunlin
- Pelidna alpina sakhalina.** *See* Sandpiper, Red-backed
- Pennsylvania, Birds of western (rev.), xi. 181.**
- Penthestes atricapillus.** *See* Chickadee, Black-capped
- Penthestes carolinensis.** *See* Chickadee, Carolina
- Penthestes gambeli.** *See* Chickadee, Mountain
- Penthestes hudsonicus.** *See* Chickadee, Hudsonian
- Penthestes hudsonicus littoralis.** *See* Chickadee, Acadian
- Penthestes rufescens.** *See* Chickadee, Chestnut-backed
- Perdix perdix.** *See* Partridge, Hungarian
- Perisoreus canadensis.** *See* Jay, Canada
- Pernis apivorus.** *See* Buzzard, Honey
- PESSELLS, WELLMER.** *See* King, Eleanor
- PETERS, HAROLD S.**
 Chimney Swift banding in Alabama, 1936, viii. 16-24
 External parasites from birds of eastern United States, vii. 9-27
 Georgia-banded Chimney Swift nests in Ontario, xi. 61
- PETERS, JAMES L.**
 Check-List of birds of the World. Vol. III. (rev.), ix. 65
- PETERSON, ROGER T.**
 A field guide to birds (rev.), x. 141
 The junior book of birds (rev.), x. 142
- Petrel, Fulmar**
 Intermittent breeding (rev.), xi. 26
 Psittacosis (rev.), x. 177
- Petrel, Leach's**
 Blown inland, x. 42
 Breeding habits (rev.), viii. 87
 Homing exp. (rev.), xi. 64
 Nesting study (rev.), vii. 54
- Petrochelidon albifrons.** *See* Swallow, Cliff
- PETTINGILL, OLIN S., JR.**
 American Woodcock (rev.), vii. 184
 Behavior of Black Skimmers (rev.), viii. 184
 Behavior of Clapper Rail (rev.), ix. 213
 History of 100 nests of Arctic Tern (rev.), xi. 27
 A laboratory and field manual of ornithology (rev.), x. 106
- Pewee, Western Wood, song (rev.), x. 138**
- Phæopus hudsonicus.** *See* Curlew, Hudsonian
- Phaethon lepturus.** *See* Tropic bird
- Phalacrocorax auritus.** *See* Cormorant, Double-crested
- Phalacrocorax auritus floridanus.** *See* Cormorant, Florida
- Phalacrocorax carbo sinensis.** *See* Cormorant, European
- Phalarope, oceanic records and winter distr. (rev.), x. 127**
- Phalarope, Northern, external parasites from, vii. 16**
- Phalarope, Red-necked, behavior, vii. 57**
- Phalaropus lobatus.** *See* Phalarope, Red-necked
- Pharomachrus mocino.** *See* Quetzal
- Phasianus colchicus torquatus.** *See* Pheasant, Ring-necked
- Pheasant, Reeves, external parasites from, vii. 14**
- Pheasant, Ring-Necked**
 Ability to withstand cold and hunger (rev.), x. 139
 Census in Ohio (rev.), xi. 73
 Censusing in Iowa, x. 102
 Equine encephalomyelitis in (rev.), x. 59, 176
 External parasites from, vii. 14
 Fertile eggs in January by night-lighting, vii. 108-111
 Nesting habits, viii. 37
 Nesting losses and juvenile mortality, viii. 180

- Philacte canagica*. See Goose, Emperor
Philanthus triangulum. See Digger-wasp
Philohela minor. See Woodcock, American
Phoebe, Black
 Behavior and nesting (rev.), vii. 58
 History (rev.), x. 168
Phoebe, Eastern
 Age, vii. 48; viii. 58
 External parasites from, vii. 19
 Nesting studies (rev.), xi. 27
 Recoveries and returns, vii. 48, 147; viii. 147
Phoebe, Say's, returns, viii. 148
Phoenicopterus ruber. See Flamingo, Cuban
Phoenicurus phoenicurus. See Redstart, Common
 Photography
 Book on nature (rev.), x. 142
 Hawks (rev.), xi. 76
 Wildfowl (rev.), x. 142
 Photoperiodicity in birds, viii. 42, 96; ix. 113, 206
Phylloscopus bonelli. See Warbler, Bonelli's
Phylloscopus collybita. See Chiffchaff
Phylloscopus sibilatrix. See Warbler, Wood
Phylloscopus trochilus. See Warbler, Willow
Pica pica hudsonia. See Magpie, American
Pica pica pica. See Magpie, European
 PICKWELL, GAYLE
 Birds (rev.), x. 142
 Winter habits of White-throated Swift (rev.), ix. 62
 PICKWELL, GAYLE and EMILY SMITH
 Texas Nighthawk in its summer home (rev.), x. 46-47
Picus viridis viridescens. See Woodpecker, Green
Pigeon, Band-tailed, recoveries, vii. 123
Pigeon, Passenger, life history in Ontario (rev.), viii. 96; in Pa. (rev.), x. 168
Pigeon, Wood, age, vii. 89
 Pigeons
 Auditory responses (rev.), x. 139
 Counting exp. (rev.), xi. 121
 Fatal encephalomyelitis (rev.), x. 177
Pinicola enucleator. See Grosbeak, Pine
Pintail, American
 Albinism and sex-ratios, viii. 118
 External parasites from, vii. 12
 Homing ability, xi. 58
 Hybridism, viii. 119
Pintail, American (con.)
 Nesting studies in Utah, ix. 215
 Recoveries, vii. 142
Pipilo crissalis. See Towhee, California
Pipilo erythrophthalmus. See Towhee, Red-eyed
Pipilo fuscus petulans. See Towhee, Brown
Pipilo maculatus falcifer. See Towhee, Spotted
Pipit, Meadow, behavior and nesting, vii. 56-57
Piranga erythromelas. See Tanager, Scarlet
Piranga ludoviciana. See Tanager, Western
Piranga rubra. See Tanager, Summer
 PIRNIE, MILES D.
 Michigan Waterfowl management (rev.), vii. 59
Pisobia bairdi. See Sandpiper, Baird's
Pisobia fuscicollis. See Sandpiper, White-rumped
Pisobia melanotos. See Sandpiper, Pectoral
Pisobia minutilla. See Sandpiper, Least
 PITELKA, F. A.
 Breeding behavior of Black-throated Green Warbler (rev.), xi. 118
 PITT, FRANCES
 Birds and the sea (rev.), vii. 60
Pitta, first rearing in captivity (rev.), x. 96
Platalea leucorodea. See Spoonbill
 Plain-eaters, biology (rev.), x. 46
Platycercus adscitus. See Rosella, Pale-headed
Plectrophenax nivalis. See Bunting, Snow
Plegadis falcinellus. See Ibis, Glossy
Ploceus spilnotus. See Weaver, Spot-backed
Plover, Black-bellied, external parasites from, vii. 15
Plover, Cuban Snowy, external parasites from, vii. 15
Plover, Golden, external parasites from, vii. 15
Plover, Piping
 External parasites from, vii. 15
 Injury feigning (rev.), x. 137
 Life history, x. 130
Plover, Ringed
 Biology (rev.), vii. 178; ix. 213; (rev.), xi. 176
 Breeding, viii. 87; ix. 209
Plover, Semipalmated, external parasites from, vii. 15
Plover, Upland, in Wis. (rev.), xi. 66

- Plover, Wilson's
 External parasites from, vii. 15
 Returns, vii. 122
- Pluvialis dominica. *See* Plover, Golden
- POCKLEY, ERIC
 Psittacosis from Fulmar Petrels (rev.), x. 177
- Podiceps auritus. *See* Grebe, Horned and Slavonian
- Podiceps ruficollis. *See* Grebe, Little
- Podiceps rufopectus. *See* Dabchick
- Podilymbus podiceps. *See* Grebe, Pied-billed
- Polyandry in Ovenbird (rev.), xi. 177
- Polygamy, English Sparrow (rev.), xi. 119
- Polygamy, Tricolored Redwing (rev.), xi. 29
- PONCY, ROBERT
 Movements of wintering birds (Eur.) (rev.), xi. 25
- Poœcetes gramineus. *See* Sparrow, Vesper
- Population studies
 Animal (rev.), x. 140
 Black-headed Gull (rev.), xi. 73
 Eastern Canada (rev.), xi. 33, 73
 Gannet (rev.), xi. 73
 Great Horned Owl (rev.), x. 168
 In Oxfordshire (rev.), xi. 122
 Mourning Dove (rev.), xi. 34
 Murre, xi. 2
 On college campus (rev.), xi. 179
 Pheasant (Ohio), (rev.), xi. 73
 Prairie Chicken (rev.), xi. 122
 St. Kilda (rev.), xi. 179
 Small mammals (rev.), xi. 179
 Starling (rev.), x. 163
 Stork (rev.), xi. 73, 115
 Tern colonies, x. 155
 White-winged Dove (rev.), xi. 122
 Winter birds (rev.), x. 141
- Population studies: reviews, vii. 58, 183; viii. 41, 93-95, 185-187; ix. 62, 111, 165-168, 215-216
- PORTIELJE, A. F. J.
 Polygamy in Mute Swan (rev.), vii. 94
- PORTMANN, ADOLF
 Post-embryonic development of bird (rev.), ix. 207
- Porzana carolina. *See* Sora
- POUGH, RICHARD H.
 Hawk band sizes, x. 41-42
- POULSEN, EZRA J.
 Too many squirrels (rev.), x. 103
- Prairie Chicken
 Census in Okla. (rev.), xi. 122
 Status in Texas (rev.), x. 65
 Study in Wis. (rev.), x. 167
- PRATT, AMBROSE
 Lore of the Lyre Bird (rev.), ix. 170
- Predator
 Human and wild (rev.), xi. 74
 Role and control (rev.), xi. 34
- PRENN, F.
 Home life of Chiffchaff (rev.), vii. 177
 Life history of Rock Swallow (rev.), ix. 162
- PRICE, J. B.
 Family relations of the Plain Titmouse (rev.), vii. 92
- PRICE, M. P.
 Population problems of Chiffchaffs and Willow-warblers (rev.), vii. 55
- PRIESTLY, MARY
 A book of birds (rev.), x. 58
- Progne subis. *See* Martin, Purple
- Protective coloration, and predation (rev.), x. 176
 In grasshoppers (rev.), x. 56
- Protocalliphora, vii. 10-27, 46-47, 112-121; ix. 172
 In Tree Swallows, x. 70
- Protonotaria citrea. *See* Warbler, Prothonotary
- Prunella modularis. *See* Sparrow, Hedge
- Psalidoprocne holomelaena. *See* Martin, Bank
- Psaltriparus minimus. *See* Bush-tit
- Pseudogerygone igata. *See* Warbler, Grey
- Psittacosis, from Fulmar Petrels (rev.), x. 177
- Ptarmigan
 Behavior (rev.), xi. 116
 Moults (rev.), x. 166
- Ptarmigan, Willow, food, ix. 63
- Ptyonoprogne rufigula. *See* Martin, Rock.
- PUCHALSKI, W. *See* Wodzicki, K.
- Puffinus diomedea borealis. *See* Shearwater, Cory's
- Puffinus puffinus. *See* Shearwater, Manx
- Puffinus tenuirostris. *See* Shearwater, Short-tailed
- PUTZIG, P.
 Migratory behavior of English Mal-lards (rev.), ix. 205
 Relationship of migration to endocrine glands (rev.), viii. 177
 Southward Migration of Lapwing and other Limicolæ (rev.), ix. 105
- Quail
 Artificial colonizing (Eur.) (rev.), x. 164
 Censusing (rev.), x. 102

- Quail (*con.*)
 Mgt. in Md. (rev.), x. 103
 Rel. to hawks (rev.), x. 103
 Quail, Brown, economic status in
 Victoria, ix. 216
 Quail, California
 Life history, vii. 97
 Sex ratios (rev.), xi. 122
 Quail, European, shift in breeding
 place (rev.), xi. 176
 Quail, Gambel, nesting in tree (rev.),
 vii. 135
 Quail, Migratory
 Economic status, ix. 216
 Migration in Italy, viii. 128
 Quail, Stubble. *See* Quail, Migratory
 Quail, Valley
 Nest robbed by California Ground
 Squirrel, ix. 110
 Seasonal movements (rev.), x. 130
 QUAINANCE, CHARLES W.
 Possible origin of male song in Brown
 Towhee (rev.), ix. 215
 Querquedula cyanoptera. *See* Teal,
 Cinnamon
 Querquedula discors. *See* Teal, Blue-
 winged
 Quetzal Quest (rev.), xi. 35
 Quiscalus quiscula æneus. *See* Grackle,
 Bronzed
 Quiscalus quiscula aglæus. *See* Grackle,
 Florida
 Quiscalus quiscula quiscula. *See*
 Grackle, Purple
- Rail, Clapper, intelligent behavior
 ix. 213
 Rail, King, external parasites from,
 vii. 14
 Rail, Sora, summer life (rev.), xi. 117
 Rail, Virginia
 External parasites from, vii. 14
 Nesting in Michigan (rev.), ix. 58
 Nesting habits (rev.), xi. 176
 Rallidae, habits in Nigeria (rev.), xi. 66
 Rallus aquaticus. *See* Water-Rail
 Rallus elegans. *See* Rail, King
 Rallus limicola. *See* Rail, Virginia
 Rallus longirostris. *See* Rail, Clapper
 RAND, A. L.
 Development of two young Blue
 Jays (rev.), ix. 110
 Distribution and habits of Mada-
 gascar Birds (rev.), viii. 137
 RANSOM, R. M. *See* Baker, J. R.
 Raptorial birds, longevity (rev.), xi. 63
 RASMUSSEN, D. I. and L. A. GRINER
 Life history and management studies
 of Sage Grouse in Utah (rev.),
 x. 94
- Raven, pair formation (rev.), xi. 119
 Raven, Northern, recovery, viii. 149
 Raven, White-necked, recoveries, viii.
 149
 Recoveries of banded birds
 Chimney Swift, xi. 39, 61
 Finch, Purple, xi. 80, 92
 Goshawk (Germany) (rev.), x. 163
 Hawk, Ferruginous Rough-legged,
 x. 80-84
 Herring Gull, xi. 137
 Murre, xi. 11
 Recurvirostra americana. *See* Avocet
 Recurvirostra avosetta. *See* Avocet,
 European
 Redbreast
 Behavior (rev.), xi. 30; xi. 176
 In captivity (rev.), x. 120
 Migration restlessness, viii. 177;
 ix. 55, 206
 Obs. (rev.), x. 48
 Recoveries, ix. 159
 Weight, ix. 10
 Redhead
 Age, ix. 104, 185
 Hybridism, viii. 119
 Nesting studies in Utah, ix. 215
 Recoveries, vii. 144; ix. 185
 Redpoll, viii. 1-10 (*Carduelis flammea*)
 nesting (rev.), x. 49
 Redpoll, Hoary, viii. 1-10
 Redpolls, winter study in southern
 New England, viii. 1-10
 Redshank
 Age, vii. 89; viii. 37
 Nesting at Tring Reservoirs, vii. 134
 Redstart, American
 External parasites from, vii. 23
 Returns, vii. 128
 Sex-determination, ix. 48
 Terr., xi. 119
 Redstart, Black, return, vii. 52
 Redstart, Common
 Age and sex-ratios, vii. 52
 Mating (rev.), x. 129
 Migration, vii. 90; viii. 177
 Red-wing
 Age, viii. 61, 144
 Analysis of banding records, vii. 28-
 37
 External parasites from, vii. 24;
 viii. 162
 Group habit, vii. 29
 Malaria, ix. 220
 Migration, vii. 30-35; viii. 139-143
 Mortality, vii. 28
 Plumage, vii. 30-33, 77-80
 Recoveries, vii. 33; ix. 188
 Sex-ratios, viii. 118; ix. 92
 Territory and polygamy, ix. 215

- Red-wing, Tricolored
 Age, viii. 62
 Behavior (rev.), xi. 29
 Nesting distribution (rev.), viii. 132
 Reevesby Island (Aust.), notes (rev.), x. 51
- REID, KENNETH
 Water—the orphan step-child of conservation (rev.), x. 176
- REINIKAINEN, A.
 Irregular migrations of Crossbills (rev.), ix. 56
- REIS, J., co-author
 Diseases of birds (rev.), ix. 66
Regulus regulus. See Wren, Golden-crowned
- Regulus satrapa*. See Kinglet, Golden-crowned
- Releaser concept (rev.), xi. 120
- Remiz pendulinus. See Tit, Penduline
- RENSCH, B.
 Influence of climate upon origin of races of birds, with special attention to wing-form and egg-number (rev.), x. 100.
- Reproduction, effect of light (rev.), x. 55
- Returns of banded birds
 Catbirds, x. 124; xi. 21
 Chimney Swifts, xi. 37-57
 Fox Sparrow, x. 85
 Golden-crowned Sparrow (Alaska), x. 85
 Murre, xi. 11
 Purple Finch, xi. 111
 Starling, x. 90
 Swallow, Tree, x. 64
- Rhodesia, bird censuses (rev.), x. 141
- Richmondia cardinalis. See Cardinal
- RICHTER, R.
 Life history of the Fulmar (rev.), viii. 179
 Further observations on mixed colony of Lesser Black-backed and Herring Gulls (rev.), x. 137
- RILEY, GARDNER M.
 Light versus activity as a regulator of sexual cycle in House Sparrow (rev.), xi. 179
- RINGLEBEN, H.
 Polyandry and polygamy in birds (rev.), viii. 89
- Riparia riparia*. See Swallow, Bank
- Riparia rupestris*. See Swallow, Rock
- RIS, H.
 Observations on the European Kingfisher (rev.), ix. 161
- Rissa tridactyla*. See Kittiwake
- ROBERTS, N. L.
 Ecological Aspects of bird life (rev.), ix. 167
- ROBERTS, THOMAS S.
 Logbook of Minnesota bird life 1917-1937 (rev.), ix. 170
- ROBERTSON, J. M.
 Bush-Tits "Shadow-boxing" (rev.), vii. 57
- Robin
 Age, viii. 61
 External parasites from, vii. 21; viii. 162
 Family study (rev.), xi. 28
 Parasitism of nest, vii. 113
 Recoveries, ix. 98
 Ret., x. 12
 Weights, ix. 4
- ROBINSON, H. W.
 Longevity of Black-headed Gull (rev.), ix. 206
- ROCKWELL, ROBERT B. See Niedrach, Robert J.
- RODGERS, T. L.
 Behavior of the Pine Siskin (rev.), viii. 182
- RODGERS, T. L. and C. G. SIBLEY
 Frequency occurrence of birds on the Berkeley campus, University of California (rev.), xi. 179
- Rook
 As egg robber (rev.), x. 133
 Census, vii. 182; ix. 166
 Male incubating (rev.), xi. 178
 Mating and habits, vii. 132
- Rosella, Pale-headed, biology (rev.), x. 50
- ROWAN, WILLIAM
 Controlled illumination on reproductive activities of birds (rev.), viii. 42
 Effects of traffic disturbance and night illumination of London Starlings (rev.), viii. 178; ix. 206
 Light and seasonal reproduction in animals (rev.), x. 55
- ROWAN, WILLIAM and A. M. BATRAWI
 Comments on gonads of some European migrants collected in East Africa immediately before their spring departure (rev.), x. 92
- RÜPPEL, W.
 Direction, terminology and theory in regard to bird migration (rev.), viii. 84
 Homing experiments, reviews, vii. 131; viii. 86; ix. 105
 Nesting and territory studies with *Lanius collurio* (rev.), x. 97
 New results on homing of Goshawks (rev.), xi. 176
- RÜPPEL, W. See also Schifferli, A.

- Russia, distr. and migr. of ducks (rev.), xi. 64
- RUTHKE, PAUL
Observations on European Coot (rev.), xi. 116
Social behavior of Eider Ducks (rev.), x. 129
Rynchops nigra. See Skimmer, Black
- SALOMONSEN, F.
Notes on moults of Rock Ptarmigan (*Lagopus mutus*) (rev.), x. 166
- SALT, W. RAY
Recoveries of banded Ferruginous Rough-legged Hawks, x. 80-84
Tale of a hawk bander, x. 115-121
- SALYER, J. C., II and K. F. LAGLER
Food and habits of American Merganser, during winter in Michigan, considered in relation to fish management (rev.), xi. 123
- Sanderling, external parasites from, vii. 16
- Sandpiper, Baird's, external parasites from, vii. 16
- Sandpiper, Least, external parasites from, vii. 16
- Sandpiper, Pectoral, external parasites from, vii. 16
- Sandpiper, Purple, behavior (rev.), x. 168
- Sandpiper, Red-backed
External parasites from, vii. 16
Recovery, vii. 123
- Sandpiper, Semipalmated
External parasites from, vii. 16
Recovery, vii. 123; ix. 185
- Sandpiper, Spotted
External parasites from, vii. 15
Nesting behavior (rev.), x. 136
Nesting habits (rev.), ix. 62
Recoveries, vii. 123
- Sandpiper, Stilt, external parasites from, vii. 16
- Sandpiper, Western, external parasites from, vii. 16
- Sandpiper, White-rumped, external parasites from, vii. 16
- SANTEE, R. and A. GRANFIELD
Behavior of Saw-whet Owl on its nesting ground (rev.), x. 95
- Sapsucker, Red-breasted, feeding (rev.), x. 50
- Sapsucker, Yellow-bellied, external parasites from, vii. 19
Recovery, viii. 146
- SARGENT, GRACE T.
Observations on behavior of color-banded California Thrashers, xi. 68
- SARGENT, GRACE T. (con.)
Pacific Gull, color-banding project, x. 38-40
- SAUNDERS, A. A.
Ecology of the birds of Quaker Run Valley, Allegany State Park, N. Y. (rev.), viii. 135
Injury-feigning by a Wood Duck (rev.), viii. 134
Relation of field characters to question of species and subspecies (rev.), viii. 41
Studies of breeding birds of Allegany State Park (N.Y.) (rev.), x. 98
- Saxicola rubetra. See Whinchat
- Saxicola torquata hibernans. See Stonechat, British
- Sayornis nigricans. See Phoebe, Black
- Sayornis phoebe. See Phoebe, Eastern
- Sayornis saya. See Phoebe, Say's
- SCANLON, W. N.
Ecology of birds in northern Siberia (rev.), ix. 112
- SCHÄFER, ERNST and R. M. DE SCHAUENSEE
Zoological results of the second Dolan Expedition to western China and eastern Tibet, 1934-36. Part II. Birds (rev.), x. 128
- SCHANTZ, W. E.
A detailed study of a family of Robins (rev.), xi. 28.
Nest-building male Song Sparrow (rev.), viii. 132
- SCHAUENSEE, R. M. See Schäfer, Ernst
- SCHIEIN, W.
Stork statistics in the Winsener Elbmarsch (rev.), viii. 88
- SCHENK, J.
Migration of the Crane in Hungary (rev.), ix. 105
Nesting of the Rose-colored Starling in Hungary (rev.), vii. 93
- SCHERER, L. E.
Passenger Pigeons in northwestern Pennsylvania (rev.), x. 168
- SCHIEMAN, K.
Learning numbers by Jackdaw (rev.), xi. 121
- SCHIFFERLI, A.
Reviews of papers on bird-banding in Switzerland, vii. 173, 174; viii. 128; ix. 203
- SCHIFFERLI, A. and W. RÜPPELL
Experiments on return to winter quarters of Black-headed Gulls and Coots (rev.), x. 164
- SCHILDMACHER, H.
Physiology of the migratory instinct (rev.), viii. 177; ix. 206

- SCHILDMACHER, H., co-author
Migration-restlessness in birds (rev.),
viii. 84
- SCHILLING, L. *See* Drost, R.
- SCHILLINGER, J. E.
Disease as a factor in game fluctua-
tion (rev.), ix. 112
- SCHJELDERUP-EBBE, T.
Social behavior of birds (rev.), vii. 94
- SCHLAG, CARL W.
More Hummingbird notes (rev.),
xi. 67
- SCHMAUS, MARTIN
Influence of mouse years on breeding
of hawks and owls (rev.), x. 54
- SCHMIDT, K. P., co-author
Ecological animal geography (rev.),
viii. 189
- SCHNEIDER, W.
Banding of Central European Barn
Owls (rev.), ix. 56
- SCHÜTZ, ERNST
Artificial colonizing with birds (rev.),
x. 164
Biology and ecology of White Stork
(rev.), x. 93
Changes in White Stork population
since 1934 (rev.), xi. 115
Delayed home-coming and popula-
tion of White Stork (rev.), ix. 208
Invasion of Siberian Nutcrackers in
1933 (rev.), viii. 36
Thirtieth report of the Vogelwarte
of Rossitten (rev.), ix. 203
White Stork as a subject of research,
vii. 99-107
White Stork in 1937 (rev.), ix. 57
- SCHUHMACHER, EUGEN
Among Avocets and Terns (rev.),
ix. 115
- SCHULZ, HEINRICH
Breeding birds on German Island
Sanctuaries (rev.), ix. 167
- SCHUSTER, L.
Nesting of Black Kite (rev.), vii. 132
Nesting of Lesser Spotted Wood-
pecker (rev.), viii. 37
Repeated return of Buzzard (*Buteo*
buteo) to same winter quarters
(rev.), xi. 176
- SCHUYL, G., co-author
Nesting of the Hobby (rev.), vii. 179-
180
- Scoter Velvet, nesting success (Finland)
(rev.), x. 166
- Scoter, White-winged, external para-
sites from, vii. 12
- Scoters, poisoning of by oil, ix. 169
- Scotland, Highland Naturalist's notes
(rev.), x. 45, 106
- SCOTT, THOMAS G.
Saw-whet Owls in central Iowa (rev.),
x. 95
- Screamer, Common, breeding (rev.),
x. 93
- SEARS, PAUL B.
Deserts on the march (rev.), viii. 43
This is our world (rev.), x. 58
- Seiurus aurocapillus. *See* Ovenbird
- Seiurus motacilla. *See* Water-thrush,
Louisiana
- Seiurus noveboracensis. *See* Water-
thrush, Northern
- Selasphorus alleni. *See* Hummingbird,
Allen
- Selasphorus rufus. *See* Hummingbird,
Rufous
- SELLARDS, A. W. *See* Tyzzer, E. E.
- Sepia officinalis. *See* Squid
- Serinus canarius. *See* Canary
- SERLE, WILLIAM
Observations on breeding habits of
some Nigerian Rallidæ (rev.), xi.
66
Observations on breeding habits of
Nigerian Estrildine Weaver-birds
(rev.), x. 48
- SERVENTY, D. I.
Feeding habits of Cormorants in
Southwestern Australia (rev.), x.
100
Feeding methods of Podargus (rev.),
viii. 92
Notes on Cormorants (rev.), x. 129
Relative abundance of birds (rev.),
ix. 216
- Setophaga ruticilla. *See* Redstart,
American
- SEVERTZOFF, S. A.
Dynamics of populations of verte-
brates (rev.), vii. 58
- Sex determination in breeding birds,
ix. 46-48
- Sex glands
Effect of testosterone on female
Canary, xi. 32; on Ring Dove,
xi. 179
Light vs. activity (rev.), xi. 179
Relation to migr. (rev.), x. 44; xi. 64,
113, 114
- Sex ratios
California Quail (rev.), xi. 122
Crow (rev.), xi. 75
Evening Grosbeak, x. 161
In wild birds (rev.), x. 175; xi. 74
(rev.)
Purple Finch, xi. 110
- Sex ratios and age ratios in some
European birds, vii. 52

- Sex ratios in ducks (rev.), vii. 93; viii. 117
- Sexual fighting in birds, vii. 1-8
- Sexual periodicity—reviews, viii. 42, 96, 136
- Sexual photoperiodicity in Blue Jay (rev.), xi. 74
- Sexual selection, present standing (rev.), x. 56
- SHAW, T. H.
Variability in body weight of Brambling (rev.), xi. 114
- Shearwater, Cory's, external parasites from, vii. 10
- Shearwater, Manx
Homing experiments, ix. 105; xi. 114
Return, ix. 105
- SHELFORD, VICTOR E. *See* Clements, Frederick E.
- SHELLEY, LEWIS O.
Hairy Woodpecker as a migrant, ix. 48-50
History of Eastern Phoebe B127877, vii. 47
History of Herring Gull 37-652822, ix. 54
Red-shouldered Hawks deafened by maggots (rev.), ix. 172
Tree Swallow notes, vii. 49; viii. 80
Song Sparrows F121239 and 34-148621 mate for two consecutive nesting seasons, viii. 124
Three returns killed by automobiles in East Westmoreland, New Hampshire, ix. 200
- SHERLOCK, G. H.
Observations at nest of Iceland Gyrfalcon (rev.), xi. 116
- SHOEMAKER, H. H.
Effect of testosterone propionate on behavior of female Canary (rev.), xi. 32
Social hierarchy in flocks of Canary (rev.), xi. 32
- Shoveller
External parasites from, vii. 12
Life history (rev.), xi. 26
Nesting studies in Utah, ix. 215
- Shrike, California, kills trapped Nuttall's Sparrow, viii. 80
- Shrike, Loggerhead
Capturing a Field Sparrow in mid-air, ix. 103
External parasites from, vii. 22
Nesting (N. D.) (rev.), x. 97; xi. 118
Recoveries, vii. 126; viii. 153
- Shrike, Migrant, external parasites from, vii. 22; in Conn., x. 90
- Shrike, Northern
External parasites from, vii. 22
Periodic emigrations, viii. 95
Recoveries, vii. 126; viii. 153
- Shrike, Red-backed
Homing experiments, viii. 86
Nesting and terr. (rev.), x. 97
Recoveries, vii. 177
- Shrubs for trapping stations, x. 3, 125
- Sialia currucoides. *See* Bluebird, Mountain
- Sialia sialis. *See* Bluebird, Eastern
- SIBLEY, C. G. *See* Riley, Gardner M.
- SICK, H.
On formation of dialects in "rain-call" of Chaffinch (rev.), xi. 71
Structure of the body feathers of *Agapornis* (rev.), ix. 107
- SIVONEN, L., co-author
Changes in the avifauna of Finland (rev.), ix. 63
Ecology and distribution of Song Thrush (rev.), xi. 28
Migration studies in Finland (rev.), vii. 175
- SIMON, E. H.
Homing experiments with Tree Sparrows (rev.), vii. 131
- Siskin, Pine
Age, viii. 63, 154
Nesting, viii. 182
Returns, viii. 154
- Sitta carolinensis. *See* Nuthatch, White-breasted
- Sitta europaea. *See* Nuthatch, European
- Sitta pygmaea. *See* Nuthatch, Pygmy
- Skimmer, Black
Age, viii. 56
Behavior, viii. 184
External parasites from, vii. 17
Sight recovery of marked individuals, ix. 198
- Skokholm
Banding in 1939 (rev.), xi. 112
Book on (rev.), x. 104
- Skua, migr. (rev.), x. 128
- Skua, Great, courtship (rev.), viii. 39
- SKUTCH, ALEXANDER F.
Life history of Black-chinned Jacamar (rev.), viii. 131
Male Flicker's part in incubation (rev.), viii. 131
Social and sleeping habits of Central American Wrens (rev.), xi. 178
- Skylark
Carries young (rev.), x. 173
Return migration, ix. 160
- SLIWINSKY, URSULA
Isochronal lines for some bird species in Europe (rev.), ix. 204

- SLUITERS, J. E.
Biology of Ringed Plover (rev.), ix. 213
- SMILEY, DANIEL, JR.
Birds trapped under mulberry tree with notes on baits used, x. 125
Slate-colored Junco at least eight years old, x. 161
Veery return-2, ix. 158
- SMITH, EMILY. *See* Pickwell, Gayle
- SMITH, WENDELL P.
Bluebird observations, viii. 25-30
Nesting of the Barn Swallow (rev.), viii. 88
Winter problems, ix. 201-202
- Snipe, Wilson's
External parasites from, vii. 15
Nesting behavior (rev.), x. 136
Recoveries, vii. 123
- SNYDER, L. L.
Measurements and observations of Bronzed Grackles (rev.), viii. 179
Social behavior of birds (rev.), vii. 94
Social life of animals (rev.), ix. 217
Social organization
Animals, esp. birds (rev.), x. 135
In flocks of Canary (rev.), xi. 32
In Jewel Fish (rev.), xi. 33
Modification in hens (rev.), xi. 33
Psychology of vertebrates (rev.), x. 173
Role of dominance (rev.), x. 173
- Sociology
Babbling Thrush (rev.), x. 169
Colonial birds (rev.), x. 99
Hierarchy in Ring Doves (rev.), xi. 179
Kumpan and Song Sparrow (rev.), x. 174
Vertebrates (rev.), x. 135, 173; xi. 33
Soil conservation and wildlife (rev.), x. 176
Soils and men (U. S. Yearbook), x. 58
Somateria mollissima dresseri. *See* Eider, American
- Song
Rel. to breeding cycle (rev.), xi. 179
Time and duration (Gr. Br.) (rev.), x. 171
Twilight (rev.), x. 138
- Songbird, management exp. (rev.), xi. 177
- Songs of wild birds, reviews, viii. 42-43
- SOPER, J. DEWEY
Local distribution of Eastern Canadian arctic birds (rev.), xi. 73
- Sora
External parasites from, vii. 14
Recoveries, ix. 86
- South America, book on (rev.), xi. 124
- SOUTHERN, H. N.
Bird courtship (rev.), viii. 39
Breeding behavior of Temminck's Stint (rev.), ix. 164
Flocking of immature herons (rev.), x. 127
Posturing and related activities of Common Tern (rev.), x. 172
Spring migration of the Swallow (rev.), ix. 204
- SOUTHERN, H. N. and L. S. V. VENABLES
Habitat selection among birds in a Lapland birch wood (rev.), xi. 34
- Sparrow, Bachman's, external parasites from, vii. 26
- Sparrow, Baird's, life history, ix. 163
- Sparrow, Chipping
Age, vii. 129; viii. 64; ix. 189
External parasites from, vii. 26; viii. 162
Juvenal plumage, ix. 62
Recoveries and returns, ix. 189, 200
- Sparrow, Clay-colored
Nesting cycle (rev.), x. 135
Recovery, vii. 170
- Sparrow, European Tree
Egg-laying, vii. 133
Homing experiments, vii. 131
- Sparrow, Field
Age, viii. 64; ix. 104
Captured by Loggerhead Shrike, ix. 103
External parasites from, vii. 26; viii. 162
Life history (rev.), vii. 178
Nest habits (Mich.), x. 107-113, 149-157
Returns, x. 14
- Sparrow, Fox
External parasites from, vii. 27
Length of stay, x. 147
Returns and recoveries, viii. 154; ix. 189; x. 14, 85
Weights, ix. 8
- Sparrow, Gambel
Homing experiment, vii. 52
Return, viii. 128
- Sparrow, Golden-crowned
Age, viii. 65
Homing experiments, vii. 128; ix. 205
Returns, x. 85
Weights, ix. 7
- Sparrow, Grasshopper, external parasites from, viii. 162
- Sparrow, Harris's
Age, viii. 64
Migration, ix. 105
Recovery, ix. 189
- Sparrow, Hedge, nesting habits, ix. 211

- Sparrow, Henslow's, life history (rev.), xi. 29
- Sparrow, House
 Age, viii. 36; ix. 104
 Auditory responses (rev.), x. 139
 Distance food carried (rev.), x. 175
 Equine encephalomyelitis (rev.), x. 176
 External parasites from, vii. 23
 Homing experiment, vii. 52
 Intelligence, vii. 45, 84
 Light vs activity in sex cycle (rev.), xi. 179
 Parasitising Cliff Swallow (rev.), xi. 68
 Polygamy (rev.), xi. 119
 Recoveries, ix. 205
 Studies, x. 73-79
 Weights, ix. 5
- Sparrow, Leconte's
 Breeding in Michigan and South Dakota (rev.), viii. 182
- Sparrow, Lincoln's
 External parasites from, vii. 27
 Feeding time, viii. 74
 Recoveries and returns, viii. 155
 Weights, ix. 5
- Sparrow, Nuttall's
 Killed in trap by California Shrike, viii. 80
 Territorial behavior, vii. 179
- Sparrow, Pine-woods, external parasites from, vii. 26
- Sparrow, Savannah, external parasites from, vii. 25; viii. 162
- Sparrow, Seaside, external parasite from, vii. 25
- Sparrow, Sharp-tailed, external parasites from, vii. 25
- Sparrow, Song
 Age rec., x. 42, 124
 Awakening song (rev.), x. 172
 External parasites from, vii. 27; viii. 162; ix. 220
 Feeding time, viii. 174
 Homing instinct, vii. 128
 Life history study (rev.), viii. 137-138
 Nest-building by male, viii. 132
 Nesting of same mates two consecutive seasons, viii. 124
 Recoveries and returns, ix. 98, 99, 189; x. 15
 Social Kumpan, x. 174
 Terr. (rev.), x. 162
 Weights, ix. 5
- Sparrow, Swamp
 External parasites from, vii. 27; viii. 162
 Migration, ix. 157
- Sparrow, Swamp (*con.*)
 Recoveries and returns, viii. 155; ix. 189
- Sparrow, Tree
 Age, sex and individual variation in winter, vii. 61-68
 Behavior, x. 90
 Census, viii. 42
 External parasites from, vii. 26
 Food habits, viii. 182
 Homing trials, xi. 111
 Life history at Churchill, Manitoba, viii. 99; ix. 69-79
 Plumage marking, ix. 124-135
 Recoveries, viii. 63
 Returns, vii. 172; viii. 127; ix. 100; x. 14
 Seasonal var. (rev.), x. 49
 Survival ratio, viii. 45-51
 Weights, ix. 5, 74-79
- Sparrow, Vesper
 Age, viii. 63
 External parasites from, vii. 26; viii. 162
- Sparrow, White-crowned
 Age, vii. 64, 128; ix. 189
 External parasites from, vii. 26
 Recoveries, vii. 170; ix. 189
 Returns, viii. 128; ix. 160
 Weights, ix. 5
- Sparrow, White-throated
 Age, viii. 65
 External parasites from, vii. 27; viii. 162
 Feeding time, viii. 174
 Group ret., xi. 174
 Length of stay, x. 148
 Note on crippled bird, xi. 111
 Recoveries, ix. 189
 Returns, vii. 47, 128; x. 14
 Weights, ix. 5
- Spatula clypeata. *See* Shoveller
- SPAULDING, NINA
 Nesting activities of Latimer's Vireo (rev.), ix. 163
- Speciation, Society for study of, xi. 126
- Speed of flight (rev.), x. 164
- Speotyto cunicularia. *See* Owl, Burrowing
- SPIERS, J. M.
 Fluctuations in numbers of birds in Toronto region (rev.), xi. 33
- Sphyrapicus varius. *See* Sapsucker, Yellow-bellied
- Pinus pinus. *See* Siskin, Pine
- Pinus tristis. *See* Goldfinch
- Spizella arborea. *See* Sparrow, Tree
- Spizella pallida. *See* Sparrow, Clay-colored

- Spizella passerina*. See Sparrow, Chipping
Spizella pusilla. See Sparrow, Field
 Spoonbill, Roseate, recoveries, ix. 85
 SPROT, G. D.
 Migratory behavior of Glaucous Gulls (rev.), ix. 56
 SPRUNT, ALEXANDER, JR.
 Beautiful birds of southern Audubon Sanctuaries (rev.), ix. 168
 Dwellers of the Silences (rev.), vii. 95
Squatarola squatarola. See Plover, Black-bellied
 Squid, breeding behavior (rev.), xi. 121
 SQUIRE, LORENE
 Wildfowling with a camera (rev.), x. 142
 Squirrels, damage to crops (rev.), x. 103
 STADIE, R.
 Results from banding White Storks in Pomerania (rev.), xi. 115
 Starling, European
 Age, vii. 52; viii. 61; ix. 188
 Auditory responses (rev.), x. 139
 Banding in Germany (rev.), xi. 24
 Behavior at nest (rev.), x. 133, 134; xi. 69; vii. 177; ix. 108
 Bigamy, ix. 108
 Damage to olive crop in Tunis (rev.), viii. 187
 External parasites from, vii. 22
 Gaping and pecking behavior (rev.), xi. 70
 Homing experiments, vii. 90, 131; viii. 86; ix. 105
 In Flicker nest, x. 90
 Intelligence at trap, vii. 45-46
 Local movements, viii. 76
 Migration, vii. 90; ix. 104
 Migr. in Italy (rev.), x. 163
 Nestlings (rev.), x. 170;
 Night illumination on, in London, viii. 178
 Parasitism of nests, vii. 112-115
 Polygamy, vii. 91
 Pop. (rev.), x. 163
 Recoveries, viii. 36; ix. 159, 188
 Rel. to Spruce (rev.), x. 100
 Rel. to agr. (rev.), x. 100
 Ret., x. 13; xi. 111
 Rising and roosting time, x. 172
 Sexual maturity, vii. 176
 Weights, ix. 5, 208
 Young at Christmas (rev.), xi. 118
 Starling, Rose-colored, nesting in Hungary (rev.), vii. 93
Steganopus tricolor. See Phalarope, Wilson's
 STEINBACHER, GEORG
 Breeding biology of Orange-breasted Tanager (rev.), ix. 212
 Breeding of Cuban Flamingo in Berlin Zoo (rev.), ix. 160
 Colony nesting of Kestrel (rev.), x. 46
 Nesting of Moorhen (rev.), x. 131
 Results of ringing starlings in the Mark (Germany) (rev.), xi. 24
 Snakes as prey of raptorial birds (rev.), ix. 110
 STEINBACHER, J.
 Sexual maturity in small birds (rev.), vii. 176
 STEINFATT, O.
 Life of the Great Spotted Woodpecker (rev.), viii. 131, 181
 Nesting of the Barred Warbler (rev.), ix. 211
 Nesting of Chiffchaff (rev.), x. 47-48; xi. 118
 Nesting of the Hedge Sparrow (rev.), ix. 211
 Nesting of the Marsh Tit (rev.), ix. 210
 Nesting of the Red-breasted Flycatcher in East Prussia (rev.), viii. 88
 Nesting of the Scarlet Finch (rev.), ix. 61
 Nest Life of the Spotted Flycatcher (rev.), ix. 60
 Nesting of the Woodcock (rev.), ix. 209
 Nesting of the Wood Warbler (rev.), ix. 60
 Nestlife of Nuthatch (rev.), x. 47
 Observations on nesting of Lesser Spotted Woodpecker (rev.), x. 96
 [Observations on] nesting of Red-breast, Whinchat, Chaffinch and Linnet, x. 48
 Observations on nesting of Thrush Nightingale (rev.), x. 133
 Observations on warblers in the Rominter Heide (rev.), xi. 117
 STEINIGER, FRITZ
 Is a psychological interpretation of so-called animal hypnosis justified? (rev.), x. 51
Stelgidopteryx ruficollis serripennis. See Swallow, Rough-winged
Stephanoaëtos coronatus. See Eagle, Crowned
Stercorarius. See Skua
Sterna anathetus melanoptera. See Tern, Bridled
Sterna antillarum. See Tern, Least
Sterna dougalli. See Tern, Roseate
Sterna forsteri. See Tern, Forster's

- Sterna fuscata*. See Tern, Sooty
Sterna hirundo. See Tern, Common
Sterna paradisæa. See Tern, Arctic
Sterna sandvicensis. See Tern, Sandwich
- STEUART, I., Number of nest and young reared in an Essex locality (rev.), x. 129
- STEVENS, O. A.
 Bird banding in the last five years, xi. 169-173
 Bird-banding stations in 1934-1935, vii. 84
- STEWART, MALCOM. See Fisher, James
 STEWART, PAUL A.
 Preliminary list of bird weights (rev.), viii. 179
- STIDOLPH, R. H. D.
 Grey Warbler and New Zealand Cuckoos (rev.), xi. 67
- STILES, B. F.
 Least Tern in Iowa (rev.), x. 168
- Stilt, Black-necked, banding, viii. 119
- Stint, Little, Courtship (rev.), viii. 38
- Stint, Temminck's, Breeding behavior (rev.), ix. 164
- STOLPE, M. and K. ZIMMER
 Hovering flight of Hummingbird in slow motion film (rev.), x. 132
- STONE, WYMER
 Bird studies at Old Cape May (rev.), ix. 113
- Stonechat, British, nesting, vii. 92
- STONER, DAYTON
 Bank Swallow studies, reviews, vii. 176; viii. 85
 Bank Swallow longevity, viii. 175; ix. 173-177
 Blue Jay Migration, vii. 170
 Parasitism of English Sparrow on Northern Cliff Swallow (rev.), xi. 68
 Temperature, growth and other studies on Eastern Phoebe (rev.), xi. 27
- STONER, EMERSON A.
 California Shrike kills trapped Nuttall's Sparrow, viii. 80
- STONOR, C. R.
 Notes on breeding habits of Common Screamer (rev.), x. 93
- Stork
 Artificial colonizing (rev.), x. 165
 Banding (rev.), xi. 115
 Biology and ecology (rev.), x. 93
 In Holland, 1938 (rev.), x. 167; xi. 115
 In E. Prussia (rev.), xi. 73
 Natural regulation of over-pop. (rev.), x. 54
- Stork (*con.*)
 Orientation and flight speed (rev.), x. 164
 Pop. changes (rev.), xi. 115
- Stork, Maribou, x. 55
- Stork, White
 Age, vii. 89
 Life-history studies, vii. 99-107; ix. 57
 Migration, viii. 84; ix. 160, 204
 Polyandry, viii. 89
 Population studies, vii. 55; viii. 88, 129; ix. 58, 208
 Recoveries, vii. 52, 90, 174
- STOTT, F. C.
 Marine food of birds in West Spitsbergen (rev.), viii. 92
- STRAUSS, ERICH
 Behavior of Corvidae (rev.), x. 138
- STRESEMANN, E.
 Have birds a locality sense? (rev.), vii. 90
- Strix aluco. See Owl, Tawny
 Strix varia. See Owl, Barred
- STRONG, REUBEN MYRON
 Bibliography of birds (rev.), xi. 75
- STUDHOLME, A. T. See Norris, R. T.
- STÜLKEN, K., co-author
 Nest life of the Nightjar (rev.), ix. 108
- Sturnella magna. See Meadowlark
 Sturnus vulgaris. See Starling, European
- Sula bassana. See Gannet
- SUMNER, E. LOWELL, JR.
 Homing experiments with Golden-crowned Sparrows, vii. 128
 Life history of the California Quail (rev.), vii. 97
 Longevity in raptorial birds as indicated by banding records (rev.), xi. 63
- SUMNER, E. LOWELL, JR., co-author
 Weights of Spotted Towhees (rev.), viii. 179
- SUMNER, E. L., SR.
 Homing instinct in Golden-crowned Sparrow (rev.), ix. 205
 Sunbird, Nile Valley, range extension and habits in Egypt (rev.), ix. 109
- SUOMALAINEN, HEIKKI
 Effect of temperature on sexual activity of non-migratory birds (rev.), ix. 113
- SUTTER, ERNST
 Migration of Black-headed Gulls in Switzerland (rev.), xi. 113
- SUTTON, GEORGE MIKSCH
 Birds in the Wilderness (rev.), vii. 184

- SUTTON GEORGE MIKSCH (*con.*)
 Juvenal plumage of Chipping Sparrow (rev.), ix. 62
 Juvenal plumage in Michigan sparrows (rev.), vii. 95
 Mississippi Kite in spring (rev.), x. 130
- Swallow
 Colony censuses (Silesia) (rev.), x. 47
 Parental care (Africa) (rev.), x. 169
- Swallow, Bank
 Age, viii. 175; ix. 173-177
 Behavior, ix. 110
 External parasites from, vii. 19, 176
 In Silesia (rev.), x. 47; England, xi. 28
 Nesting habits, ix. 210
 Recovery, viii. 148; ix. 174, 187
 Ten years' returns, viii. 85
 Weights, vii. 176
- Swallow, Barn
 Age, viii. 58
 Banding at Shirley, Mass., vii. 149-156
 Banding results (rev.), xi. 68; England, xi. 27
 Growth of young, viii. 31-34
 In breeding (rev.), xi. 117
 Nesting, viii. 66-72, 88
 Orientation (rev.), x. 164
- Swallow, European
 Ages, ix. 203
 Homing experiments, vii. 90, 131; viii. 86
 In breeding, vii. 91
 In Silesia (rev.), x. 47
 Nesting, viii. 37; ix. 104
 Recoveries, viii. 85
- Swallow, Northern Cliff
 Duration of colonies (rev.), x. 132
 External parasites from, vii. 19
 Nesting, ix. 59
 Parasitised by English Sparrow (rev.), xi. 68
 Returns, viii. 148; ix. 187
 Young, raised by a Tree Swallow, vii. 49
- Swallow, Rock, nesting habits, ix. 162
- Swallow, Rough-winged, external parasites from, vii. 19
- Swallow, Tree
 Adoption of a Cliff Swallow, vii. 49
 Age, viii. 58; ix. 187
 Colony studies, x. 61-72
 External parasites from, vii. 19
 Parasitism of nests, vii. 113-117; viii. 81
 Recoveries, vii. 170; ix. 187
 Returns, viii. 80
- Swallow, Violet-green, polygamy, vii. 55
- Swallow, Wire-tailed, nest data (rev.), x. 169; xi. 67
- Swan, Mute
 Age, vii. 173
 Polygamy, vii. 94; viii. 38, 89
- Swan, Whistling, external parasites from, vii. 11
- Swift, parental care (Africa) (rev.), x. 169
- Swift, Alpine, age, vii. 51, 173, 203
- Swift, Chimney
 Age, viii. 35, 57; ix. 158, 187
 Banding in Alabama, viii. 16-24
 Banding at Memphis, ix. 105
 Banding in Tenn., xi. 37-57
 External parasites from, vii. 18
 Food consumed, xi. 173
 Handling, xi. 61
 Migration at Memphis, viii. 85
 Migr. speed, xi. 21; viii. 16-24; ix. 187
 Recov., xi. 39, 61
 Roosting in buildings, ix. 200
- Swift, European, age, vii. 91; ix. 203
- Swift, Fork-tailed (Aust.) (rev.), x. 51
- Swift, White-throated, winter habits, ix. 62
- Switzerland
 Bird life in swamps (rev.), x. 105
 Black-headed Gulls (rev.), xi. 113, 175
- Sylvia atricapilla. *See* Blackcap
- Sylvia communis. *See* White-throat
- Sylvia nisoria. *See* Warbler, Barred
- SYLVIN, E. *See* Palmgren, P.
- Tachycineta thalassina lepida. *See* Swallow, Violet-green
- Tanager, Orange-breasted, breeding biology (rev.), ix. 212
- Tanager, Scarlet
 External parasites from, vii. 24
 Return, xi. 110
- Tanager, Summer
 External parasites from, vii. 24
 Return, viii. 154
- Tanager, Western, returns, viii. 154
- TAVERNER, P. A.
 Birds of Canada (rev), x. 179
 Pocket field guide (rev.), xi. 77
 Predators, human and wild (rev.), xi. 74
 Role of predator (rev.), xi. 34
- Teal, Blue-winged
 Eaten by alligators, viii. 34
 Ecology and management, ix. 170
 External parasites from, vii. 12
 Internal parasites from, ix. 115
 Recoveries, vii. 143; ix. 185
 Sex-ratios, vii. 118; ix. 170

- Teal, Cinnamon
Nesting studies in Utah, ix. 215
Recoveries, vii. 143
- Teal, Green-winged
External parasites from, vii. 12
Homing, xi. 58
Recoveries, vii. 143
- TEBBUTT, C. F.
Unusual behavior of Mallard duck and brood (rev.), x. 172
- Temperature
Regulation in birds (rev.), xi. 74
Rel. to early migrants (rev.), x. 44
Rel. to song (rev.), xi. 32
- Tern, Arctic
Adult trapping on Cape Cod, ix. 12-25
Ages, viii. 55; ix. 186
Colony distr., xi. 155
Mortality, ix. 117-123
Nests (rev.), xi. 27
Recoveries, ix. 186
- Tern, Black
Age, vii. 89
External parasites from, vii. 17
Feeding habits (rev.), ix. 107
Nesting in Wisconsin, vii. 85-86
- Tern, Bridled, external parasites from, vii. 17
- Tern, Caspian
Age, viii. 56
External parasites from, vii. 17
Recoveries, vii. 148
Sight recoveries of marked individuals, ix. 198
- Tern, Common
Adoption of young Avocets, ix. 115
Adult trapping on Cape Cod, ix. 12-25
Ages, viii. 55; ix. 186, 203
Colony distr., xi. 155
External parasites from, vii. 17
Mortality, ix. 117-123
Posturing (rev.), x. 172
Raised by Herring Gull, x. 173
Recoveries, vii. 145; ix. 159, 186
- Tern, Forster's, external parasites from, vii. 17
- Tern, Least
Age, viii. 56
External parasites from, vii. 17
Nesting in Iowa (rev.), x. 168
Nesting studies, viii. 180
Recoveries, vii. 147
- Tern, Noddy, external parasites from, vii. 17
- Tern, Roseate
Adult trapping on Cape Cod, ix. 12-25
Age, viii. 56
Colony distr., xi. 155
- Tern Roseate (*con.*)
External parasites from, vii. 17
Mortality, ix. 117-123
Recoveries and returns, vii. 147; ix. 13-25, 187
- Tern, Royal
Age, viii. 56
External parasites from, vii. 17
Recoveries, vii. 147
- Tern, Sandwich and Gull-billed, notes in North Sea (rev.), x. 104
- Tern, Sooty, external parasites from, vii. 17
- Terns or Sea Swallows: their habits, language, arrival and departure (rev.), vii. 59
- Terns, protection during the breeding season (rev.), ix. 107
- Terragraph at the nest of Hoopoe and Barn Owl (rev.), vii. 93
- Territory
Bishop Birds (rev.), x. 97
Blackcock (rev.), xi. 32
European Robin (rev.), xi. 30
Goldfinch (rev.), x. 171
Great Horned Owl (rev.), x. 168
Origin of, vii. 1-8
Red-backed Shrike (rev.), x. 97
Redstart (rev.), xi. 119
Results of research (rev.), viii. 89
Screech Owl (rev.), x. 132
Small mammals (rev.), xi. 179
Snow Bunting (rev.), xi. 31
Song Sparrow, x. 162
Tricolored Redwing (rev.), xi. 29
Wood Thrush, x. 16
- Tersiphone atrocaudata. *See* Flycatcher, Japanese Paradise
- Tersiphone viridis plumbeiceps. *See* Flycatcher, Paradise
- Testosterone, effect on Canary (rev.), xi. 32; on hens (rev.), xi. 33; on Ring Dove (rev.), xi. 179
- Tetrastes bonasia. *See* Hen, Hazel
- Texas bird adventures (rev.), xi. 124
- Thalasseus maximus. *See* Tern, Royal
- THEIDE, G.
Nesting of the Honey Buzzard (rev.), ix. 209
- THOMAS, EDWARD S.
Additional records of protocalliphora, vii. 46-47
- THOMPSON, B. H., co-author
Fauna of National Parks of the U. S. (rev.), vii. 39
- THOMPSON, GORDON B.
Parasites of British Birds and Mammals (rev.), ix. 172
- THOMSON, A. LANDSBOROUGH
Bird Migration (rev.), viii. 43

- THOMSON, A. LANDSBOROUGH (con.)**
 Progress in study of bird migration (rev.), vii. 174
- THOMSON, A. LANDSBOROUGH, co-author**
 Recoveries of marked Swallows in the British Isles (rev.), viii. 85
 Report of the bird-ringing committee, 1937 (rev.), ix. 159; x. 127; xi. 112
- Thrasher, Brown**
 Age, viii. 60; x. 42
 External parasites from, vii. 21
 Large broods (rev.), x. 49
 Nesting habits (rev.), vii. 54
 Returns, viii. 176; ix. 199; x. 12
- Thrasher, California**
 Color-banding (rev.), xi. 68
 Returns, viii. 152
- Thrasher, Curve-billed, return, viii. 152**
- Thrashers, Structural adaptations (rev.), xi. 181**
- Threskiornis aethiopicus melanocephalus. See Ibis, White**
- Thrush, Babbling, breeding (rev.), x. 169**
- Thrush, Bicknell's monog. (rev.), x. 96**
- Thrush, Gray-cheeked, external parasites from, vii. 21**
- Thrush, Hermit**
 External parasites from, vii. 21
 Recoveries and returns, viii. 153
 Ret., x. 13
 Weights, ix. 5
- Thrush, Nightingale**
 Nesting without a mate (rev.), vii. 92; viii. 38
 Song-deterioration, vii. 94
- Thrush, Olive-backed, external parasites from, vii. 21**
- Thrush, Russet-backed, recovery and return, viii. 153**
- Thrush, Song**
 Color vision (rev.), xi. 32
 Ecology (rev.), xi. 28
 Gaping movements (rev.), x. 174
 Migration restlessness, vii. 174
 Recoveries, ix. 159
 Song deterioration, vii. 94
 Weight, ix. 10
- Thrush, Wood**
 Age, viii. 61, 152
 External parasites from, vii. 21
 Recoveries and returns, viii. 152; ix. 99
 Studies, x. 16-23
- Thrushes, length of stay in migr. (Pa.), x. 146**
- Thryothorus ludovicianus. See Wren, Carolina**
- Tibet, birds of eastern (rev.), x. 128**
- TICEHURST, N. F.**
 Migratory status of Heron in Great Britain (rev.), x. 93
 Oiled birds resorting to fresh water (rev.), ix. 169
- TIMMERMAN, G.**
 Nesting of Redpoll (rev.), x. 49
- TINBERGEN, N.**
 Analysis of social organization among vertebrates with special reference to birds (rev.), x. 135
 Behavior of fighting Great Tits (rev.), ix. 164
 Behavior of Red-necked Phalarope (rev.), vii. 57
 Behavior of Snow Bunting in spring (rev.), xi. 31
 Behavior patterns of a Stickleback (rev.), ix. 165
 Breeding behavior of squid (rev.), xi. 121
 Nesting study of the Hobby (rev.), vii. 179
 Sexual fighting in birds, and origin of "territory," vii. 1-3
 Sociology of the Herring Gull (rev.), vii. 135, viii. 39
 Why do birds behave as they do? (rev.), x. 99
See Lorenz, K.
- TINBERGEN, N. and D. J. KUENEN**
 Releasing or orienting stimulus situations of gaping movements in young Thrushes (rev.), x. 174
- TINBERGEN, N. and R. J. VAN DER LINDE**
 Orientation of the Diggerwasp (rev.), xi. 114
- Tit, Blue**
 Fecundity (rev.), xi. 28; xi. 65
 Color banding (rev.), xi. 112
 Penduline (rev.), x. 105
- Titmouse, Blue**
 Age, vii. 173
 Homing experiments, vii. 131
 Recoveries, vii. 51
 Weight, ix. 10
- Titmouse, Coal**
 Recoveries, vii. 51
- Titmouse, Great**
 Age, vii. 173
 Behavior before a mirror, ix. 61
 Feeding of young, vii. 93
 Mating (rev.), x. 129
 Migration, vii. 173
 Photo-periodicity, ix. 113
 Pop. (rev.), x. 133
 Territorial behavior, ix. 164
 Weight, ix. 10
 Wing length (rev.), xi. 25

- Titmouse, Long-tailed
 Winter behavior, viii. 37
 Nesting (rev.), x. 96, 169
- Titmouse, Marsh, breeding biology,
 ix. 210
- Titmouse, Plain
 Age, viii. 151
 Nesting and family relations (rev.),
 vii. 92
 Returns, viii. 151
- Titmouse, Tufted
 Age, viii. 60, 151
 External parasites from, vii. 20
 Group habit, ix. 62
 Returns, viii. 151
 Weights, ix. 4
- TODD, W. E. CLYDE
 Birds of Western Pennsylvania (rev.),
 xi. 181
- TÖNE, HANS V.
 Observations on breeding season of
 1938 on Scheimünde (rev.), x. 137
- TOSCHI, A.
 Results of researches on migration
 of Starling in Italy (rev.), x. 163
- Totanus flavipes. *See* Yellow-legs,
 Lesser
- Totanus melanoleucus. *See* Yellow-
 legs, Greater
- Towhee, Brown
 Territory, and singing of males,
 ix. 215
- Towhee, California, age, vii. 132
- Towhee, Red-eyed
 External parasites from, vii. 25;
 viii. 162; ix. 220
 Returns, vii. 86; x. 13
- Towhee, Spotted
 Singing of mated males, ix. 215
 Weights, viii. 179
- Toxostoma curvirostre. *See* Thrasher,
 Curve-billed
- Toxostoma redivivum. *See* Thrasher,
 California
- Toxostoma rufum. *See* Thrasher,
 Brown
- TRACY, N.
 Great Spotted Woodpecker (rev.),
 ix. 162
- TRAPS
 For Chimney Swifts, xi. 54, 61
 Drop, x. 157
 For hawks, x. 119
 Perch for, x. 43
- TRAUTMAN, MILTON B.
 Birds of Buckeye Lake, Ohio (rev.),
 xi. 125
- TRAUTMAN, M. B., W. E. BILLS and
 E. L. WICKLIFF
 Winter losses from starvation and
 exposure of waterfowl and upland
 game birds in Ohio and other
 northern states (rev.), x. 175
- TRAVIS, BERNARD V.
 Synopsis of Flagellate genus *Cochlo-*
soma (rev.), ix. 219
- TREGANZA, L. A., co-author
 Nile Valley Sunbird in Egypt (rev.),
 ix. 109
- TRELEASE, SAM F., co-author
 Preparation of scientific papers (rev.),
 vii. 184
- Trematodes in ducks (rev.), x. 59
- TREUFENFELS, H. V.
 Breeding biology of the Wood
 Warbler (rev.), ix. 60
 Observations on Chiffchaff (rev.),
 x. 48
- Tringa totanus. *See* Redshank
- Troglodytes aëdon. *See* Wren, House
- Troglodytes troglodytes. *See* Wren,
 European
- Tropic Bird, Red-tailed, flight court-
 ship (rev.), viii. 38
- Tropic Bird, White-tailed, blown in-
 land, x. 42
- TRUAX, MILLARD, co-author
 Traps for Pinnated and Sharp-tailed
 Grouse, ix. 177
- TSEN-HWANG-SHAW
 Egg weight and body weight in some
 Chinese birds (rev.), x. 165
- TUCKER, B. W., co-author
 Handbook of British Birds, I. (rev.),
 ix. 169
- Tunis, notes from (rev.), x. 176
- TUOVINSEN, A.
 Bird population of the Island Nester-
 insaari (rev.), viii. 95
- Turdus ericetorum. *See* Thrush, Song
- Turdus merula. *See* Blackbird, Euro-
 pean
- Turdus migratorius. *See* Robin
- Turdus philomelus. *See* Thrush, Song
- Turdus viscivorus. *See* Thrush, Mistle
- Turkey, Wild, physiological var. and
 mgt. (rev.), xi. 74
- TURNER, E. L.
 Every garden a bird sanctuary (rev.),
 vii. 137
- Turnstone
 External parasites from, vii. 15
 Feeding habits (rev.), xi. 179
 Recoveries, vii. 90, 122
- Turtur risorius. *See* Dove, Ring

- TWINING, HOWARD**
Foraging of Rosy Finch and survival in the Sierra Nevada (rev.), xi. 69
Significance of combat in male Rosy Finches (rev.), x. 51
- TWOMEY, A. C.**
Climographic studies of introduced and migratory birds (rev.), vii. 135
- TYLER, WINSOR M.**
Reviews by, viii. 189-190; ix. 218
Tympanuchus cupido americanus. See Chicken, Greater Prairie
Tympanuchus pallidicinctus. See Chicken, Lesser Prairie
- Tyrannus tyrannus*. See Kingbird, Eastern
Tyrannus verticalis. See Kingbird, Arkansas
- TYRRELL, W. BRYANT**
Nesting of the Turkey Vulture (rev.), ix. 209
- Tyto alba guttata*. See Owl, European Barn
Tyto alba pratincola. See Owl, Barn
- TYZZER, E. E., A. W. SELLARDS and B. L. BENNETT**
Occurrence in nature of equine encephalomyelitis in Ring-necked Pheasant (rev.), x. 59
- UHLER, F. M.** See Martin, A. C. and Cottam, C.
- Uria aalge*. See Murre
- Value of birds to woodland clearings (rev.), x. 102
- VAN DER LINDE, R. J.** See Tinbergen, N.
- VAN DEVENTER, W. C.**
Winter bird community in western New York (rev.), viii. 41
- VAN DOBBEN, W. H. and M. F. M. BRUYENS**
Migration according to age and sex at lighthouses in the Netherlands (rev.), xi. 63
- VAN ECK, P. J.**
Color vision and function of the cones in the Song Thrush (rev.), xi. 32
- Vanellus vanellus*. See Lapwing
- VAN ROEKEL, H., K. L. BULLIS and M. K. CLARKE**
Preliminary report of infectious avian encephalomyelitis (rev.), x. 59
- VAN ROEKEL, H. and M. K. CLARKE**
Equine encephalomyelitis virus (eastern type) isolated from Ring-necked Pheasant (rev.), x. 176
- VAN SOMEREN, V. D.**
Distributional variation in woodland birds (rev.), vii. 182
- Veery**
External parasites from, vii. 21
Recovery and return, viii. 153; ix. 158
- VENABLES, L. S. V.**
Bird distribution on Surrey Greensand Heaths (rev.), viii. 186
Intelligence of the House Sparrow and Starling at trap, vii. 45
Nesting of the Nuthatch (rev.), ix. 214
- VENABLES, L. S. V., co-author**
Territory in the Great Crested Grebe (rev.), vii. 178
- VENABLES, L. S. V.** See Fisher, James, Lack, D. and Southern, H. N.
- VERHEYEN, R.**
Results from the first ten years of banding Belgian birds in the nest (rev.), xi. 175
- Vermivora pinus*. See Warbler, Blue-winged
- Vermivora virginia*. See Warbler, Virginia's
- VERY, NATHANIEL T.**
Behavior of young Herring Gulls, viii. 77-78
- VEVERS, H. G., co-author**
Census of Gannets on Ailsa Craig (rev.), viii. 95
1937 Census of Gannets on Ailsa Craig (rev.), ix. 111
- VEVERS, H. G.** See Fisher, James
- Vireo*, Blue-headed, external parasites from, vii. 22
Vireo, Latimer's, nesting habits, ix. 163
Vireo, Red-eyed
External parasites from, vii. 22
Recovery, vii. 126
Vireo, Warbling, repeats and returns, vii. 86
Vireo, White-eyed, external parasites from, vii. 22
Vireo, Yellow-throated, external parasites from, vii. 22
Vireo flavifrons. See *Vireo*, Yellow-throated
Vireo gilvus. See *Vireo*, Warbling
Vireo griseus. See *Vireo*, White-eyed
Vireo latimeri. See *Vireo*, Latimer's
Vireo olivaceus. See *Vireo*, Red-eyed
Vireo solitarius. See *Vireo*, Blue-headed
- VOGT, WILLIAM**
Intimidation display in Meadowlark (rev.), ix. 111
Notes on behavior and ecology of Eastern Willet (rev.), x. 49

- VOGT, WILLIAM (*con.*)
Thirst on the Land (rev.), ix. 63
Will and Kate (rev.), ix. 213
- VOLK, JOSEPH J.
Avian hosts of Eimerian coccidia, ix. 139-153
- VOLLBRECHT, K.
Breeding biology of the Grey Wagtail (rev.), ix. 60
- VON HAGEN, WOLFGANG and QUAIL HAWKINS, Quetzal quest (rev.), x. 35
- Vulture, Black
Banding, xi. 106
External parasites from, vii. 13
Hybridism, viii. 119
Recoveries, vii. 39
- Vulture, Turkey
External parasites from, vii. 12
Hybridism, viii. 119
Nesting, ix. 209
Recoveries, vii. 39
Weights, viii. 167
- WACHS, H.
Protection of Terns in the breeding season (rev.), ix. 107
- WAGNER, H. O.
Influence of external factors on daily rhythm during the migratory phase (rev.) viii. 177
- WAGNER, H. O., co-author
Migration restlessness in birds removed from their homes (rev.), viii. 84
- WAGNER, OTTO
Display of White-plumed Bird of Paradise (rev.), x. 50
- Wagtail, Gray
Breeding biology, ix. 60
Nesting (rev.), xi. 29
Return, vii. 52
- Wagtail, Pied
Behavior before a mirror, ix. 61
- Wagtail, Yellow, bigamy in (rev.), xi. 69
- WALKINSHAW, LAWRENCE H.
Additional information on Prothonotary Warbler (rev.), x. 170
Field Sparrow in Michigan (rev.), vii. 178
Leconte's Sparrow breeding in Michigan and South Dakota (rev.), viii. 182
Life history studies of Eastern Goldfinch (rev.), x. 134
Nesting of Field Sparrow and survival of young, x. 107-114, 149-157
- WALKINSHAW, LAWRENCE H. (*con.*)
Nesting studies of the Prothonotary Warbler, ix. 32-46
Notes on nesting cycle of Clay-colored Sparrow (rev.), x. 135
Short-billed Marsh Wren in Michigan (rev.), vii. 55
Summer life of Sora Rail (rev.), xi. 117
Virginia Rail in Michigan (rev.), ix. 58
- WALLACE, GEORGE J.
Bicknell's Thrush, its taxonomy, distribution, and life history (rev.), x. 96
- Warbler, Audubon's, recovery, vii. 127
- Warbler, Barred, nesting habits (rev.), ix. 211
- Warbler, Bay-breasted
External parasites from, vii. 23
Nesting, ix. 61
- Warbler, Black and White, external parasites from, vii. 22
- Warbler, Blackburnian, external parasites from, vii. 23
- Warbler, Blackpoll, external parasites from, vii. 23
- Warbler, Black-throated Green
Nesting (rev.), xi. 118
Recoveries, vii. 127, 170
- Warbler, Blue-winged
Recoveries, ix. 188
Ret. (rev.), x. 13
- Warbler, Bonelli's, nesting, vii. 134
- Warbler, Canada, external parasites from, vii. 23
- Warbler, Cape May
External parasites from, vii. 22
Recovery, ix. 188
Ret., x. 13
- Warbler, Chestnut-sided
External parasites from, vii. 23
Recovery, vii. 127
- Warbler, Great Reed, territory, ix. 216 (rev.); xi. 117
- Warbler, Grey, does not feed Cuckoo (N. Z.) (rev.), xi. 67
- Warbler, Hooded, external parasites from, vii. 23
- Warbler, Kentucky
External parasites from, vii. 23
Host of Cowbirds, ix. 212
- Warbler, Kirtland's, song, ix. 214
- Warbler, Magnolia, external parasites from, vii. 22
- Warbler, Marsh, breeding (Gr. Br.) (rev.), x. 97
- Warbler, Myrtle
External parasites from, vii. 22
Recoveries, vii. 127
Ret., x. 13

- Warbler, Palm, ret., x. 13
 Warbler, Pine
 Age, viii. 61
 External parasites from, vii. 23; viii. 162
 Return, vii. 127
 Warbler, Prairie, external parasites from, vii. 23, 46
 Warbler, Prothonotary, nesting studies, ix. 32-46 (rev.), x. 170
 Warbler, Reed, observations in Finland (rev.), ix. 108
 Warbler, Savi's (rev.), x. 169
 Warbler, Virginia's, nesting, ix. 212
 Warbler, Willow, nesting (rev.), xi. 118
 Warbler, Wood
 Breeding biology (rev.), ix. 60
 Obs. (Germany) (rev.), xi. 118
 Territorial behavior (rev.), vii. 56
 Warbler, Worm-eating, protocalliphora from, vii. 46
 Warbler, Yellow
 Age, viii. 61, 176
 Age of banded (rev.), x. 165
 External parasites from, vii. 22; viii. 163
 Recoveries, vii. 127
 Returns, viii. 176
 Warbler, Yellow Palm
 External parasites from, vii. 23
 Recoveries, vii. 127
 Warbler, Yellow-throated, external parasites from, vii. 23
 WARD, J. H., co-author
 Rookeries of South Manchester (rev.), viii. 92
 WARGA, KOLOMAN
 Daily weight increase of nestlings of Great Tit, Common Redstart, Blackcap, Serin and Starling, x. 166
 Invasion of Bohemian Waxwings in 1931-32, 32-33 and 37-38 (Hungary) rev., xi. 112
 Permanent mating of Great Titmouse and annual mating of Common Redstart (rev.), x. 129
 Waterfowl
 Nesting (N. D.) (rev.), x. 94
 Significance of nesting success (rev.), xi. 30
 Status (U. S.) (rev.), x. 103
 Winter losses (rev.), x. 175
 Water-Rail, nesting (rev.), x. 46
 Water-Thrush, Louisiana, external parasites from, vii. 23
 Water-Thrush, Northern, external parasites from, vii. 23
 Water-Turkey, recovery, ix. 184
 Waxwing, Bohemian
 Invasion of Scotland in 1937 (rev.), viii. 186
 Invasion (Hungary) (rev.), xi. 112
 Recoveries, vii. 126; ix. 188
 Waxwing, Cedar
 Age, ix. 188
 Recoveries, vii. 126; viii. 153; ix. 188
 Trapping in San Joaquin Valley, California, vii. 89
 Weather, effect on birds
 Birds blown inland, x. 42, 128
 Cold snaps on nesting bluebirds, x. 33
 Wind and migr., x. 92
 WEAVER, FLORENCE G.
 Studies in life history of Wood Thrush, x. 16-23
 WEAVER, RICHARD L.
 Birds from the Atlantic blown inland, x. 42
 Purple Finch invasion of north-eastern United States and Maritime Provinces in 1939, xi. 79-105
 Mockingbird spends winter in Norwich, Vermont, x. 90
 Purple Finches in large numbers around Hanover, N. H., x. 90
 Winter observations and a study of the nesting of English Sparrow, x. 73-79
 Weaver, Masked, weights, ix. 9
 Weaver, Red-billed, weights, ix. 9
 Weaver, Spot-backed, nesting behavior, vii. 177
 Weaver-birds, obs. (rev.), x. 48
 Weight of birds
 Brambling (rev.), x. 114
 China (rev.), x. 165
 Crows (rev.), xi. 75
 Finland (rev.), x. 45
 Herring Gulls, xi. 147
 Nestlings (rev.), x. 166
 WEIMANN, R.
 Results from banding Blackbirds in Silesia and Saxony (rev.), xi. 113
 WENDLAND, V.
 Observations on the White-tailed Eagle (rev.), ix. 58
 WENKEL, F.
 Homing experiments with Sparrows, Titmice and Nuthatches (rev.), vii. 53
 WETHERBEE, OLIVE PIKE
 Study of wintering Redpolls, viii. 1-10
 WHARTON, WILLIAM P.
 Two interesting Red-eyed Towhee returns-W, vii. 86
 Chipping Sparrow at least eight and one-half years old, vii. 129

- WHEELER, RUTH**
 Nesting habits of *Leucosticte* (rev.), xi. 119
 Whinchat, obs. (rev.), x. 48
- WHITE, FRANCIS B.**
 Birds at Concord, N. H. (rev.), x. 57
 Winter banding at Concord, N. H., vii. 172
- White-throat**, migration-restlessness, viii. 84; ix. 55
- WHITTLE, CHARLES L.**
 Are Peterboro, N. H., wintering Chickadees migratory birds? ix. 202
 Hepburn's Rosy Finch wintering in Maine, viii. 83
 Hummingbird behavior, viii. 170-173
- WHITTLE, CHARLES L.**, co-author
 Nesting Hummingbirds, viii. 83
 Sex Ratio of Rose-breasted Grosbeak, ix. 196-197
- WHITTLE, HELEN G.**, co-author
 Nesting Hummingbirds, viii. 83
- WICKLIFF, E. L.** See Trautman, M. B.
- WIGHT, HOWARD M.**
 Field and wildlife technic in wildlife management (rev.), x. 59
- WILCOX, LE ROY**
 Notes on life history of Piping Plover (rev.), x. 130
- Wildfowl**
 Book on food plants (rev.), x. 105
 Homing ability, xi. 58-60
- Wildlife**
 Atlantic Coast marshes (rev.), x. 141
 Climatograph for exotic birds (rev.), x. 103
 Destruction by auto traffic (rev.), x. 139
 Effect of land use (rev.), xi. 123
 Range (rev.), x. 103
 Technic (rev.), x. 59
- Willet**
 Behavior (rev.), x. 49
 Recoveries, vii. 123
 Territory and nesting, ix. 213
- WILLIAMS, ARTHUR B.**
 Cleveland nature trails (rev.), viii. 136; ix. 63
 Composition and dynamics of Beech-Maple Climax Community (rev.), viii. 91
- WILLIAMS, C. S.**, co-author
 Duck nesting studies, Utah (rev.), ix. 215
 Goose nesting studies, Utah (rev.), ix. 106
 Survival of Canada Goose goslings, Bear River Refuge, Utah (rev.), ix. 106
- WILLIAMS, HENRY SMITH**
 Private life of birds (rev.), xi. 35
 Willow-Warbler, territorial habits, vii. 55
- WILSON, KENNETH A.**
 Owl studies at Ann Arbor, Michigan (rev.), ix. 210
 Quail management in Maryland (rev.), x. 103
- Wilsonia canadensis*. See Warbler, Canada
Wilsonia citrina. See Warbler, Hooded
- Wind, effect on migr. (rev.), x. 92
- WING, L. W. and A. H.**
 Food consumption of a Sparrow Hawk (rev.), x. 175
- Winter losses, of waterfowl and upland game birds (rev.), x. 175
- WINTERBOTTOM, J. M.**
 Bird censuses in woodland in northern Rhodesia (rev.), x. 141
 Bird population of lake shore site on Lake Nyasa, August, 1937 (rev.), x. 141
- WITHERBY, H. F.**
 British birds marking scheme progress, 1936 (rev.), viii. 128
- WITHERBY, H. F. et al.**
 Handbook of British birds, I (rev.), ix. 169
 Handbook of British Birds II, Warblers to Owls (rev.), x. 56
 Handbook of British Birds III, Hawks to Ducks (rev.), x. 177; IV, xi. 180
- WITHERBY, H. F. and E. D. LEACH**
 Movements of ringed birds from abroad to British Isles and from British Isles abroad. Addenda VI (rev.), xi. 24
- WODZICKI, K.**
 New experiments on sense of orientation in birds (rev.), x. 164
- WODZICKI, K., W. PUCHALSKI and H. LICHE**
 Researches on orientation and flight of speed with birds V. Further experiments with Storks (rev.), x. 164.
- WOLFSON, ALBERT**
 Preliminary report on some experiments on bird migration (Calif.) (rev.), xi. 113
- WONTNER-SMITH, C.**
 Jackdaw nesting its first year (rev.), xi. 65
- WOOD, HAROLD B.**
 Experience with Homing Pigeon, vii. 172
 Growth of young Barn Swallows, viii. 31-33

- Woodcock, American
 Banding technique, ix. 153-155
 (rev.), xi. 113
 External parasites from, vii. 15
 Life-history study (rev.), vii. 184
 Mgt. (rev.), xi. 27
 Recoveries, vii. 122; ix. 185
- Woodcock, European
 Nesting, ix. 209
 Return, vii. 52
- Woodpecker, Great Spotted
 Reviews of life history studies
 viii. 131, 181; ix. 108, 162
- Woodpecker, Green, winter habits, vii.
 136
- Woodpecker, Ivory-billed, observations
 (rev.), viii. 131
- Woodpecker, Lesser Spotted
 Behavior, vii. 133
 Incubation by male, viii. 132
 Nesting, viii. 37; ix. 108
 Nesting in Prussia (rev.), x. 96
- Woodpecker, Northern Downy
 Age, viii. 58, 147
 Census, viii. 42
 External parasites from, vii. 19
 Returns, viii. 147; ix. 187; x. 11
- Woodpecker, Northern Hairy
 Age, vii. 132; viii. 57, 146
 External parasites from, vii. 19
 Migratory trend, ix. 48-50
 Returns, viii. 146
- Woodpecker, Northern Pileated, ex-
 ternal parasites from, vii. 18
- Woodpecker, Red-bellied
 Age, viii. 146
 External parasites from, vii. 18
 Incubation by male, viii. 132
 Recoveries, viii. 146
- Woodpecker, Red-cockaded, external
 parasites from, vii. 19
- Woodpecker, Red-headed
 Age, viii. 57, 146
 External parasites from, vii. 19
 Recoveries, viii. 146
- Woodpecker, Spotted, homing experi-
 ment, vii. 53
- Woodpecker, White-backed, nest-life
 in Bavarian Alps (rev.), ix. 59
- Woodpeckers, life histories of North
 American (rev.), x. 177
- WOODS, GORDON T.
 Chimney Swifts destroy many in-
 sects, xi. 173
- WORTH, C. BROOKE
 Analysis of banded Ospreys, vii. 156-
 160
 Chimney Swifts in buildings, ix. 200
 Differential erosion of gastroliths in
 a Mourning Dove, xi. 173
- WORTH, C. BROOKE (con.)
 Disease study, x. 35-38
 Egg volume and incubation periods
 (rev.), xi. 72
 A house trap as part of a Song
 Sparrow's territory, x. 162
 Longevity of Chimney Swift, ix. 158
 A note on the dissemination of
 mallophaga, xi. 23
 Problem and a plan relative to the
 study of bird diseases, viii. 109-113
- WORTH, C. BROOKE, co-author
 Progress report on project for study-
 ing diseases of birds, ix. 101-102
 A warning to Chimney Swift banders
 xi. 61
- Wren, Carolina
 Age, ix. 160
 External parasites from, vii. 20, 46
 Returns (rev.), xi. 25; viii. 152
 Weights, ix. 4
- Wren, European, notes on (rev.), xi. 117
- Wren, Golden-crested
 Feeding, ix. 162
 Function of crown, viii. 183
 Population study, viii. 84, 95
- Wren, House
 Age, viii. 60
 External parasites from, vii. 20
 Nesting in Tree Swallow colony, x. 70
 Parasitism of nests, vii. 115-117
 Population problems, viii. 93
 Returns, viii. 83; ix. 99
 Weights, ix. 4
- Wren, Short-billed Marsh, studies in
 Michigan (rev.), vii. 55
- Wren, St. Kilda, territory and food
 habits, vii. 176
- Wren, Willow, territorial function,
 vii. 3
- Wren, Winter, recoveries and returns.
 viii. 152
- Wrens, Central American, habits (rev.),
 xi. 178
- Wren-Tit
 Age, viii. 60, 152
 Territory and population study, ix.
 136-139
- WRIGHT, EARL G.
 Marking birds by imping feathers
 (rev.), xi. 25
- Wryneck, Homing experiments (rev.),
 viii. 86
- WUCZETICZ, W.
 Seasonal distribution and migration
 of ducks (subfam. Anatinae) on the
 base of bird ringing in the U.S.S.R.
 III. (rev.), xi. 64

- WYNNE-EDWARDS, V. C.
 Intermittent breeding of Fulmar
 with some general observations
 on non-breeding in sea-birds (rev.),
 xi. 26
- Xanthocephalus xanthocephalus. *See*
 Blackbird, Yellow-headed
- YAMASHINA, MARQUESS
 Sociable breeding habit among Tima-
 line birds (rev.), x. 169
- YEATES, GEORGE K.
 Fighting of Blackcock (rev.), vii. 178
- Yellow-legs, Greater
 External parasites from, vii. 15
 Recovery, vii. 123
- Yellow-legs, Lesser
 External parasites from, vii. 15
 Recoveries, vii. 123, 144; ix. 185
- Yellow-throat
 Age, vii. 172; viii. 128
 External parasites from, vii. 23
 Returns, vii. 127; viii. 128; ix. 99
- Yuhinia bruniceps. *See* Thrush,
 Babbling
- YULE, EMMA S., co-author
 Preparation of Scientific Papers
 (rev.), vii. 184
- ZAGARUS, A., co-author
 Breeding behavior of Ringed Plover
 (rev.), viii. 87
- Zenaidura macroura carolinensis. *See*
 Dove, Mourning
- ZIMMER, JOHN T.
 Migrations of South American birds
 (rev.), ix. 205
- ZIMMER, K. *See* Stolpe, M.
- ZIMMERMAN, RUD
 Nesting of Water-Rail (rev.), x. 46
- ZINSER, J. *See* Lloyd, H.
- 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 nuttalli. *See*
 Sparrow, Nuttall's
- Zonotrichia querula. *See* Sparrow,
 Harris's