

INDEX TO VOLUME 60, 1948

In addition to names of species and of authors, this index includes references to the following topics: anting, banding, bibliography, display, ectoparasites, food, localities by state, province, and country, migration, nesting, new forms noticed, releasers, sex reversal, taxonomy, voice, weights, zoogeography.

- Acanthisittidae, 216
- Actitis macularia, 113, 232
- Aechmolophus, 218
- Aechmophorus occidentalis, 164
- Aegolius funereus, 119
- Agelaius, 216
 - i. icterocephalus, 238
 - phoeniceus, 26
 - p. phoeniceus, 244
 - tricolor, 26
- Aimophila aestivalis bachmanii, 181, 183
- Aix sponsa, 117
- Ajaia ajaja, 170
- Alaska, 68, 188–189, 252
- Aleutian Islands, 66
- Allen, Arthur A. "Ornithology Laboratory Notebook" (reviewed), 56
- Allenia, 213, 225
- Amazona amazonica amazonica, 233
 - o. ochrocephala, 233
- Ammodramus bairdii, 180
- savannarum, 220
- Ammospiza maritima fisheri, 103–108
 - m. sennetti, 103–108
- Anas acuta, 26
 - b. bahamensis, 231
 - discors, 117
 - fulvigula maculosa, 164
- Anatiniae, 26, 27
- Ani, Groove-billed, 113
 - Smooth-billed, 226, 233
- Anser albifrons, 183
- Anthus spraguei, 178–179, 182, 183
- Anting, 115–116, 244–245
- Aphanotriccus, 218
- Apodidae, 212, 223
- Aquila chrysaetos, 122
- Ara n. nobilis, 233
 - s. severa, 233
- Aramidae, 218–219
- Aramides c. cajanea, 232
- Aramus s. scolopaceus, 232
- Aratinga l. leucophthalmus, 233
 - pertinax chrysophrys, 233
- Archilochus alexandri, 253
 - colubris, 242–243
- Ardea cocoi, 219
 - herodias, 219
- Ardeidae, 219
- Argentina, 243
- Arizona, 5
- Arkansas, 139–158
- Arremon t. taciturnus, 239
- Arundinicola leucocephala, 237
- Arvey, M. Dale, and Henry W. Setzer, "Some Kansas Bird Records, 164–166
- Asturina n. nitida, 231
- Attila c. cinnamomeus, 236
- Audubon, 167, 168, 169, 170–180
 - Gulf Coast Expedition, 172–177
 - Missouri River Expedition, 168, 182–183
- Auriparus flaviceps, pl. 7, opp. p. 246
- Avocet, 43
- Bailey, Alfred M. "Birds of Arctic Alaska" (reviewed), 252
- Baird, Spencer F., 168, 183, 184
- Baker, Maurice F. Notes on care and development of young Chimney Swifts, 241–242
- Bananaquit, see Coereba
- Banding, 65, 66, 67
- Barnes, Ventura Jr. The American Bittern in Puerto Rico, 115
- Bartramia longicauda, 188, 232
- Basileuterus, 218
 - rufifrons, 109, 112
- Baumgartner, F. M. Swainson's Hawk nesting in north-central Oklahoma, 187
- Bell, John G., 170
- Béné, Frank. "The Feeding and Related Behavior of Hummingbirds" (reviewed), 253
- Bent, Arthur Cleveland. "Life Histories of North American Nuthatches, Wrens, Thrashers, and Their Allies" (reviewed), 251
- Berger, A. J. Early nesting and Cowbird parasitism of the Goldfinch in Michigan, 52–53
- Bibliography, 58–61, 126–128, 196–202, 254–257
- Bird of Paradise, 26, 27
- Bittern, American, 115
 - European, 33
 - Least, 183
- Blacicus, 218
- Bluebird, 120–121
 - Mountain, 64
 - Western, 181, 183
- Bobolink, 183
- Bob-white, 66, 119–120, 209
- Bonasa umbellus, 39

- Bond, James. Origin of the Bird Fauna of the West Indies, 207-229; "Field Guide to Birds of the West Indies" (reviewed), 125
- Borell, A. E. The Wood Duck in New Mexico, 117
- Borror, Donald J., 67
- Botaurus lentiginosus, 115
stellaris, 33
- Boyd, Elizabeth M. *Ectoparasites of the Starling in North America* (abstract), 68
- Brachyspiza, 220-221
capensis, 220
c. australis, 221
- Brackbill, Hervey. A Singing Female Wood Thrush, 98-102; An unusual song of the Slate-colored Junco, 246
- Brigham, Edward Morris, Jr. *Some Photographic Experiences with the Spruce Grouse and Trumpeter Swans* (abstract), 68
- Brotogeris c. chrysopterus, 233
- Bubulcus ibis, 230
- Bucco t. tamiata, 234
- Bucconidae, 81-97
- Buchanan, Forest W., and Kenneth C. Parkes. A female Bob-white in male plumage, 119-120
- Bullfinch, Cuban, 226
Greater Antillean, 226
- Bunting, Baird's, 180
Indigo, 65
Lazuli, 182
Snow, 25, 26
- Busarellus n. nigricollis, 231
- Buteo albicaudatus colonus, 231
m. magnirostris, 231
swainsoni, 187
- Buteogallus aequinoctialis, 231
- Butorides striatus, 219
s. striatus, 230
virescens, 219
- Cacicus cela cela, 238
h. haemorrhouus, 238
- California, 181
- Callichelidon, 213, 215
cyaneoviridis, 225
- Calliphlox, 219
bryantae, 219
evelynae, 214, 219, 225
- Callypte helenae, see *Mellisuga helenae*
- Calospiza m. mexicana, 238
p. punctata, 238
- Calyptophilus, 213, 215
- Campbell, Louis W. Nest-building adaptability of the Eastern Red-wing, 244
- Canachites canadensis, 118-119, pls. 3, 4
- Canada, 57
- Capella p. paraguaiae, 232
gallinago delicata, 183
- Capito niger, 235
- Caprimulgidae, 212
- Caprimulgus carolinensis, 166
- Caracara, Audubon's, 170
- Cardinal, 190
- Cassidix nicaraguensis, see *Quiscalus nicaraguensis*
- Cathbird, 28, 65
Black, 221
- Catharopeza, 213, 225
- Cathartidae, 218-219
- Catherpes mexicanus, 112
- Catoptrophorus s. semipalmatus, 232
- Celeus elegans hellmayri, 235
torquatus, 235
- Centurus a. aurifrons, 185-186
a. incanescens, 186
carolinus, 183
- Cercomacra n. nigrescens, 236
tyrannina saturatior, 236
- Certhiaxis cinnamomea cinnamomea, 236
- Ceryle t. torquata, 234
- Chachalaca, 66, 209
- Chaetura brachyura, 223
cinereiventris, 223
pelagica, 241-242
s. spinicauda, 234
vauxi richmondi, 189-190
- Chaffinch, 26
- Charadrius collaris, 232
hiaticula semipalmatus, 232
wilsonia cinnamominus, 232
- Chelidoptera tenebrosa, 94-95
t. tenebrosa, 234
- Chickadee, Long-tailed, 180
- Chloroceryle ae. aenea, 234
a. americana, 234
a. septentrionalis, 170
i. inda, 234
- Chondestes grammacus, 183
g. grammacus, 122
g. strigatus, 122
- Chondrohierax uncinatus, 231
- Chordeiles a. acutipennis, 234
minor, 119
m. aserrensis, 66
m. chapmani, 66
- Chrysophus amherstiae, 24
pictus, 24
- Chrysotilus p. punctigula, 235
- Chuck-will's-widow, 166
- Cichlherminia, 213, 225
- Cinclocerthia, 213, 225
- Cinclus mexicanus unicolor, 182
- Clangula hyemalis, 118, 165
- Claravis pretiosa, 114
- Clark, Hubert Lyman. Obituary, 54
- Cnemotriccus fuscatus fumosus, 237
- Coahuila, 186

- Coccyzus a. americanus, 183, 233
 m. minor, 233
- Coereba, 214, 226
 flaveola, 224
 f. bahamensis, 226
 f. dominicana, 224
 f. luteola, 224
- Coerebidae, 213, 214
- Colaptes, 219
 auratus, 13, 25-26
- Cole, Leon J. Obituary, 123
- Coles, Victor. *Returns from Banded Turkey Vultures* (abstract), 66
- Colinus cristatus sonnini, 232
 virginianus, 119-120
 v. cubanensis, 209
- Colohierax, 219, footnote
- Columba cayennensis cayennensis, 232
 flavirostris, 112
 plumbea pallescens, 233
 speciosa, 232
- Columbidae, 212
- Columbigallina m. minuta, 233
 passerina griseola, 233
 talpacoti, 109, 112
 t. talpacoti, 233
- Colymbus auritus, 164
 griseogena holböllii, pl. 5, opp. p. 139
- Conirostrum, 214
- Conover, Boardman, see Hellmayr, Charles E., and —
- Conrad, Charles L., and James H. Olsen. *Activities of the Brooks Bird Club* (abstract), 67-68
- Contopus, 218
- Conuropsis carolinensis ludovicianus, 170, 182
- Corvinae, 209
- Corvus, 219
- Costa Rica, 115-116
- Cottam, Clarence. Unusual consumption of fish by three species of birds, 117-118; The Mourning Dove in Alaska, 188-189
- Cowbird, 52-53, 182
 Glossy, 224
- Crake, Corn, 39
- Crane, Common, 25
 Sandhill, 187, 219, footnote
- Crex crex, 39
- Crosby, John A. Holboell's Grebes (*Colymbus griseogena holböllii*) carrying nest material, Lake Ontario, 1944, pl. 5, opp. p. 139
- Crotophaga ani, 226, 233
 major, 233
 sulcirostris, 113
- Crossbill, Red, 220
 White-winged, 210, 219
- Cruickshank, Allan D. Wheatear at Peekskill, New York, 190; Snowy Egret (*Leucophoyx thula*), pl. 6, opp. p. 207; Verdin (*Auriparus flaviceps*), pl. 7, opp. p. 246
- Cuckoo, Black-billed, 65
 Yellow-billed, 183
- Cuculidae, 212
- Curlew, Eskimo, 241
 Hudsonian, 241
- Cyanerpes, 214
 cyaneus, 226
 cyaneus cyaneus, 238
- Cyanocitta cristata, 140, 209
- Cyanocompsa cyanoides rothschildii, 239
- Cyanocorax cayanus, 238
- Cyanolimnas, 212, 215, 220
- Cyanophaia, 212, 224, 225
- Cyclarhis gujanensis, 111
 g. flaviventris, 114
- Dacnis c. cayana, 238
- Daptrius a. americanus, 231
 ater, 231
- De Garmo, W. R., see Sims, Eleanor, and —
- Deltaurus, 218
- Dendrexetastes r. rufigula, 236
- Dendrocincla f. fuliginosa, 236
- Dendrocolaptes certhia, 116
- Dendrocygna autumnalis discolor, 231
- Dendroica, 218
 coronata, 119
 dominica, 222
 occidentalis, 169
 petechia, 52, 53, 225
 pharetra, 225
 pinus, 222
 pityophila, 222
 plumbea, 225
- Dendroplex p. picus, 235
- Deroptyus a. accipitrinus, 233
- Dickinson, Miriam G. Cardinals bathing, 190
- Display, 6-51, 65, 243
- Dives, 216
- Dolichonyx oryzivorus, 183
- Donacobius a. atricapillus, 238
- Dove, Blue Ground, 114
 Eastern Mourning, 183
 Ground, 66
 Inca, 113
 Mourning, 188-189
 Ruddy Ground, 109, 112
 White-winged, 226
- Dryocopus l. lineatus, 235
- Duck, Mottled, 164
 Tufted, 66
 Wood, 117
- Dulidae, 211, 213
- Dulus, 211, 213, 214, 215
- Dumetella carolinensis, 28
- Dutch Guiana, 187, 230-239

- Eagle, Bald, 53
Golden, 122
- Eaton, Stephen W., and Ernest P. Edwards. Notes on Birds of the Gomez Farias Region of Tamaulipas, 109-114
- Ectoparasites, 68
- Ectopistes migratorius, 182, 183
- Edwards, Ernest P. *Birds in the Vicinity of Lake Patzcuaro, Michoacan, Mexico* (abstract), 69; *Mexican Primavera* (abstract), 69; see also Eaton, Stephen W., and —
- Egret, Snowy, 168-169, 182, 187, pl. 6, opp. p. 207
- Eider, King, 165
- Eisenmann, Eugene, biog. sketch of, 192
- Elaenia cristata, 237
fallax, 222
flavogaster, 222, 223
f. flavogaster, 237
gaimardi guianensis, 237
martinica, 222-223
- Elaenia, Caribbean, 222-223
Greater Antillean, 222
Yellow-bellied, 222, 223
- Elanoides f. forficatus, 170
f. yetapa, 231
- Elanus l. leucurus, 231
- Emberizinae, 220
- Emerson, Guy, biog. sketch of, 55
- Empidonax flaviventris, 182, 183
minimus, 182, 183
t. traillii, 183
virescens, 245
- Empidonotus varius rufinus, 237
- Ereunetes pusillus, 232
- Eribates, 218
- Eriothacus rubecula, 12, 33, 37, 39
- Erolia fuscicollis, 232
melanotos, 232
minutilla, 232
- Euethia, see Tiaris
- Eulampis, 212, 224, 225
- Euneornis, 213, 214, 215
- Euphonia, Bonaparte's, 113
- Eurypyga helias, 75-80, pl. 2
h. helias, 232
- Eurypygidae, 75-80
- Falco a. albicularis, 231
peregrinus anatum, 231
sparverius dominicensis, 226
- Feigley, Margaret D., biog. sketch of, 134
- Ferminia, 213, 215, 220
- Finch, St. Lucian Black, see Melanospiza
- Finch, Zapata, see Torreornis
- Fisher, Albert Kenrick. Obituary, 191
- Fisher, James. "Bird Recognition, I. Sea-Birds and Waders" (reviewed), 193-194
- Flicker, 13, 25-26
- Florida, 53
- Florida caerulea, 230
- Flycatcher, Acadian, 245
Alder, 65, 183
Least, 65, 182, 183
Loggerhead, 218
Social, 113
Yellow-bellied, 182, 183
- Fluvicola p. pica, 237
- Folger, Edith V., see Griscom, Ludlow, and —
- Food, 53, 65, 66, 68, 117-118, 120-121, 140-141, 142, 143, 145, 148-152, 159-160, 187, 242
- Forpus p. passerinus, 233
- Fringilla coelebs, 26
- Fringillidae, 213, 224
- Galbula d. dea, 234
galbulia, 234
- Gallinula chloropus cachinnans, 165
- Gallinule, Florida, 165
Purple, 66
- Gannet, 240
- Garrulinae, 209
- Garrulus glandarius, 25
- Gelochelidon nilotica aranea, 232
- Georgia, 53, 66, 181
- Geospiza fortis, 222
- Geospizinae, 222
- Geotrygon, 212, 215
- Geranospiza caerulescens, 231
- Glaucus, 219
- Glyphorynchus s. spirurus, 235
- Goldfinch, Eastern, 52-53, 183
- Goodpaster, Woodrow, and Karl Mawloski. Incubation of the Upland Plover, 188
- Grebe, Holboell's, pl. 5, opp. p. 139
Horned, 164
Western, 164
- Grackle, Bronzed, 244-245
- Grassquit, Black-faced, 226
Blue-black, 224
Cuban, 226
- Griscom, Ludlow. Notes on Texas Seaside Sparrows, 103-108
- Griscom, Ludlow, and Edith V. Folger. "The Birds of Nantucket" (reviewed), 194
- Grobman, Arnold B., see Hatt, Robert T., et al.
- Grosbeak, Rocky Mountain, 182
- Ground-finches, Medium, 222
- Grouse, Ruffed, 39
Sharp-tailed, 182
- Spruce, 68, 118-119, pls. 3, 4
- Gruidae, 219, footnote
- Grus, 219
canadensis, 187, 219, footnote
grus, 25

- Guara alba, 219
 rubra, 219, 231
 Guiraca caerulea interfusa, 183
 Gull, Franklin's, 117
 Herring, 13-14, 17, 36, footnote, 40,
 43, 44, 46
 Gunn, W. W. H. *Reverse Migration over Lake Erie* (abstract), 67
 Gymnoglaux, 212, 215
- Habia, 109, 112
 Haecker, Frederick Woods. *A Study of the Mountain Bluebird* (abstract), 64; Obituary of, 191
 Haematopus bachmani, 182
 Haliaeetus leucocephalus, 53
 Halle, Louis J. Jr. The Calandria Mock-ingbird flashing its wings, 243
 Handlan, John W. *A Brief History of the Brooks Bird Club* (abstract), 67
 Harris bird collection, 167-184
 Harrison, Hal H. "American Birds in Color" (reviewed), 195
 Hartman, Frank A. *The Bird Adrenal* (abstract), 67
 Hatt, Robert T., Josselyn Van Tyne, Laurence C. Stuart, Clifford H. Pope, and Arnold B. Grobman. "Island Life: A Study of the Land Vertebrates of the Islands of Eastern Lake Michigan" (reviewed), 250-251
 Havermeschmidt, Fr. A feeding habit of the Snowy Egret, 187; Bird Weights from Surinam, 230-239
 Hawaii, 66, 168
 Hawk, Broad-winged, 65
 Sparrow, 226
 Swainson's, 187
 Hebard, Frederick V. Bald Eagle eating shoat on highway, 53; 'Injury Feigning' of Nighthawk and Ground Dove Compared (abstract), 66
 Heckler, S. B. *The Growth and Development of a Bird Club* (abstract), 68
 Helicolestes hamatus, 231
 Heliornis fulica, 232
 Hellmayr, Charles E., and Boardman Conover. "Catalogue of Birds of the Americas" (reviewed), 250
 Helmitheros vermivorus, 183
 Hemignathus lucidus hanapepe, 168, 182, 184
 Heron, Black-crowned, 219
 Cocoi, 219
 Great Blue, 67, 219
 Great White, 67
 Green, 219
 Herpetotheres c. cachinnans, 231
 Heteropstizias m. meridionalis, 231
- Hicks, Lawrence E. *Recent Progress in Ohio Ornithology* (abstract), 64
 Hidalgo, 186
 Himantopus himantopus mexicanus, 232
 Himantione sanguinea, 182
 Hirundinidae, 213
 Hirundo rustica erythrogaster, 245
 Holoquiscalus lugubris, see Quiscalus lugubris
 l. lugubris, 238
 Honey-creeper, Blue, 226
 Hummingbird, Antillean Crested, see Or-thorhyncus
 Bahaman Woodstar, 214, 219, 225
 Bee, 214
 Black-chinned, 253
 Blue-headed, see Cyanophia
 Emerald-throated, see Sericotes
 Garnet-throated, see Eulampis
 Ruby-throated, 242-243
 Streamer-tail, 214
 Hydranassa t. tricolor, 230
 Hydroprogne caspia, 53
 Hyetornis, 212, 215
 Hylocichla mustelina, 98-102, 245
 Hylonax, 218
 Hylophilus, 218
 Hypocolius, 211, footnote
 Hypomorphnus u. urubutinga, 231
- Ibis, Scarlet, 219
 White, 219
 Icteridae, 213, 216, 219
 Icterus chrysocephalus, 238
 n. nigrigularis, 238
 spurius, 114
 Ictinia mississippiensis, 170
 plumbea, 114, 231
 Illinois, 240
 Indiana, 240
 Iridoprocne albiventer, 238
 Ixobrychus e. exilis, 183
 Ixoreus naevius, 182
- Jacana, 219
 spinosa jacana, 232
 Jalisco, 186
 Jamaica, 65, see also West Indies
 Jaques, Florence Page. "Canadian Spring" (reviewed), 57
 Jaques, Francis Lee, 57
 Jay, Blue, 140, 209
 Canada, 119, 209
 European, 25
 Oregon, 182
 Junco [caniceps] dorsalis, 5
 cismontanus, 5
 hyemalis, 5, 246
 h. carolinensis, 5
 oreganus, 5
 phaeonotus palliatus, 5, frontispiece

- Juncos, 68
Arizona, 5, frontispiece
Carolina, 5
Cassiar, 5
Oregon, 5
Red-backed, 5
Slate-colored, 5, 246
- Kansas, 164–166, 170–171
Kieran, John, review by, 57
- Kingbird, Arkansas, 182
Gray, 218
Olive-backed, 113
- Kingfisher, Texas, 170
- Kinglet, 26
Ruby-crowned, 119
- Kirkpatrick, Charles M. Gannet in eastern Indiana, 240
- Kite, Mississippi, 170
Plumbeous, 114
Swallow-tailed, 170
- Lagler, Karl F., and Catherine C. Wierert. Food of the Old-squaw in Lake Michigan, 118
- Laletes, 218
- Lamprochelidon, 213, 215
- Lamprospiza melanoleuca, 239
- Lapwing, 25, 26
- Larcomb, John W. *A Technique for Recording and Reproducing Sounds in Nature* (abstract), 64–65
- Larus argentatus, 13–14, 17, 36, footnote, 40, 43, 44, 46
pipixcan, 117
- Laskey, Amelia R. Bronzed Grackle anointing plumage with orangeskin, 244–245
- Lawrencia, 218
- Lefevre, Auguste, 168, 170
- Legatus leucophaius leucophaius, 237
- Leistes m. militaris, 238
- Leopold, Aldo. Obituary, 123
- Leptotila r. rufaxilla, 233
verreauxii brasiliensis, 233
- Leucopeza, 213, 225
- Leucophoyx thula, 168–169, 187, pl. 6,
opp. p. 207
t. brewsteri, 182
t. thula, 230
- Leucopternis a. albicollis, 231
- Limnodromus g. griseus, 232
- Lincoln, Frederick C., review by, 194
- Lobiophasis bulweri, 24, 27
- Louisiana, 169, 172–177
Ornithological Society, 54
- Loxia curvirostra, 220
leucoptera, 210, 220
leucoptera megaplagia, 219
- Loxigilla, 213, 215, 225
violacea, 226
- Loximitris, 213, 215
- Loxipasser, 213, 215
- Ludwig, Frederick E., biog. sketch of, 248
- Lunk, William A. *Some Notes on Hawaiian Birds* (abstract), 66
- MacDonald, Malcolm. "The Birds of Brewery Creek" (reviewed), 125–126
- McCabe, Robert A. *The Song Flight of the Alder Flycatcher* (abstract), 65
- McCormick, J. M., see Preston, F. W., and —
- Maine, 209
- Malacoptila panamensis, 89–93
p. inornata, 90
- Manacus m. manacus, 237
- Margarops, 213, 215, 224, 225
- Maryland, 98–102
- Maslowski, Karl. *Filming Owls at Night* (abstract), 69; see also Goodpaster, Woodrow, and —
- Mayfield, Harold, reviews by, 56–57, 57–58, 193–194
- Mayr, Ernst. *Is the Great White Heron a Good Species?* (abstract), 67
- Mazzeo, Rosario, review by, 125–126
- Meadowlark, 170, 182
Western, 171, 178, 182
- Megarynchus p. pitangua, 237
- Melanerpes cruentatus, 235
- Melanoptila glabrirostris, 221
- Melanospiza, 213, 222, 225
- Meleagris gallopavo silvestris, 183
- Meliphagidae, 214
- Mellisuga, 212, 215
helenae, 214
- Melopsittacus undulatus, 13
- Melopyrrha, 213, 215
nigra, 226
- Melospiza, 221
l. lincolni, 183
melodia, 28, 37, 53
- Mengel, Robert M. A Western Lark Sparrow from Florida, 122; *Some Remarks on the Birds of Veracruz, Mexico* (abstract), 66
- Mengel, Robert M., and Dwain W. Warner. Golden Eagles in Hidalgo, Mexico, 122
- Mergus merganser, 240
serrator, 240
- Mesembrinibis cayennensis, 231
- Mesomyodyi, 216
- Mewaldt, Leonard R., 55
- Mexico, 5, 185–186
- Michigan, 52–53, 66, 68, 121, 242–243, 250–251
- Michoacán, 69, 186

- Micrastur mirandollei*, 231
Microligea, 213, 215
 Migration, 67
 Miller, Douglas Scott, biog. sketch of, 134
Milvago chimachima paludivagus, 231
Mimidae, 213, 218, 224
Mimocichla, 213, 215, 225
 plumbea, 226
 ravidia, 215, footnote
Mimus gilvus gilvus, 238
 gundlachii, 226
 polyglottos, 243
 saturninus, 243
 Missouri, 170, 241-242
Mitrephanes, 218
Mniotilla varia, 113
 Mockingbird, Bahaman, 226
 Calandria, 243
Moho nobilis apicalis, 182
Molothrus ater, 52-53, 182
 bonariensis minimus, 224, 238
Momotidae, 210-211
Monasa atra, 234
 nigrifrons, 93-94
 Moore, Jeanne. *Young Caspian Terns in Captivity* (abstract), 68
Morus bassanus, 240
 Moseley, Edwin Lincoln. Obituary, 191
 Muirhead, Peggy Porter. *Territory and Song of the Least Flycatcher* (abstract), 65
 Murie, Olaus J. *Food of the Great Horned Owl and Its Place in the Fauna* (abstract), 66; review by, 252
 Murray, Joseph James. "Wild Wings" (reviewed), 57-58
Muscivora tyrannus, 237
Myiarchus, 218
Myiodynastes maculatus maculatus, 237
Myiozetetes c. cayanensis, 237
 similis, 113
Myospiza, 220
 h. humeralis, 239
Myrmoborus leucophrys angustirostris, 236
Myrmotherus a. atrothorax, 236
 ferrugineus, 236
Nectarinia j. jugularis, 159-163
Nemosia p. pileata, 239
Nesoceleus, 212, 215
Nesocites, 212, 215
Nesopsar, 213, 215, 216
Nesospingus, 211, 213, 215
Nesotriccus, 218
Nesotrochis, 219, footnote
 Nesting, 52-53, 118-119, 139-158, 161-162, 187, 188, 241-242, 242-243, 244, 245
 Netting, M. Graham. *Opportunities for Cooperative Research in Ornithology and Herpetology* (abstract), 65
 Nevada, 66
 New forms noticed:
 Anas crecca nimia, 254
Chordeiles minor twomeyi, 197
Empidonax traillii alascanus, 255
Empidonax traillii extimus, 255
Otocopaeus macleodii rayi, 255
Zonotrichia leucophrys nigrilora, 126
 New Mexico, 5
 New York, 190
 Newfoundland Labrador, 241
 Nice, Margaret M., 67; review by, 195
 Nice, Margaret M., and Ruth H. Thomas. A Nesting of the Carolina Wren, 139-158
 Nickell, Walter P. Alternate care of two nests by a Ruby-throated Hummingbird, 242-243
Nighthawk, 66, 119
 Noell, G. W. Bald Eagle captures tern, 53
 North Dakota, 117-118, 178
Notharchus pectoralis, 81-89
 t. tectus, 234
Numenius borealis, 241
 phaeopus hudsonicus, 241
 p. phaeopus, 241
 Nun-bird, Black-fronted, 93-94
Nuthatch, Red-breasted, 183
Nuttall, Thomas, 168, 178
Nuttallornis, 218
Nyctibius, 219
 grandis, 234
 griseus, 220
Nyctidromus a. albicollis, 234
Odontorchis palliatus, 231
Oenanthe oenanthe, 190
 Ohio, 64, 66, 67, 119-120, 187, 188, 244
 Oklahoma, 187
 Old-squaw, 118, 165
 Olsen, James H., see Conrad, Charles L., and ——
 Ontario, 56-57, 67, pl. 5, opp. p. 139
Oporornis tolmei, 243
 t. monticola, 243
 Oregon, 168-169
Oreopeleia montana, 233
Oriole, Orchard, 114
Ornalis m. motmot, 231
 ruficauda, 209
Orthorhynchus, 212, 215, footnote, 224, 225
Otus choliba crucigerus, 234
Owl, Barn, 66, 69, 230
 Great Horned, 65, 66
 Richardson's, 119
 Screech, 69

- Pachyramphus marginatus nanus, 237
 polychopterus tristis, 237
 rufus, 236
- Parakeet, Shell, 13
- Parkes, Kenneth C., see Buchanan, Forrest W., and —
- Paroquet, Louisiana, 170, 182
- Parula pitiayumi, 113
- Parulidae, 213, 214, 218, 224
- Parus atricapillus septentrionalis, 180
 bicolor, 121
- Passerella, 221
 i. iliaca, 183
- Passerina amoena, 182
- Peacock, 27
- Pedioecetes phasianellus, 182
- Peet, Max Minor. MacGillivray's Warbler in Cameron County, Texas, 243
- Pelecanus erythrorhynchos, 183
- Pell, S. Morris, 192
- Pennsylvania, 120–121
- Pepper Shrike, Mexican, 114
- Peters, James Lee. "Check-list of Birds of the World, Vol. 6" (reviewed), 249; reviews by, 125, 250–251
- Percnostola r. rufifrons, 236
- Perisoreus canadensis, 119, 209
 o. obscurus, 182
- Peterson, Roger Tory. Arizona Junco, 5, frontispiece
- Petrochelidon pyrrhonota albifrons, 183
- Pettingill, Olin Sewall Jr., review by, 195
- Phaenicophilus, 213, 215
- Phaeusa s. simplex, 232
- Pheasant, 26, 27
 Amherst's, 24
 Argus, 27
 Bulwer's, 24, 27
 Golden, 24
- Phelps, William H., biog. sketch of, 124
- Pheucticus m. melanocephalus, 182, 183
- Philippines, 159–163
- Phloeoceastes m. melanoleucus, 235
 rubricollis, 235
- Piaya c. cayana, 233
 m. minuta, 233
- Picidae, 212
- Picumnus minutissimus, 235
- Pigeon, Passenger, 182, 183
 Red-billed, 112
- Pilherodias pileatus, 230
- Pintail, 26
- Pionites m. melanocephala, 233
- Pionus fuscus, 233
 menstruus, 233
- Pipilo maculatus arcticus, 183
- Pipit, Sprague's, 178–179, 182
- Pipra a. aureola, 237
- Pipromorpha oleaginea, 115–116
- Pitangus l. lictor, 237
 s. sulphuratus, 237
- Pitelka, Frank A., reviews by, 56, 251
- Platyparsis, 218
 minor, 237
 niger, 216, 218
- Plectrophenax nivalis, 25, 26
- Plover, Upland, 188
- Polyborus cheriway auduboni, 170
- Pope, Clifford H., see Hatt, Robert T., et al.
- Porphyruia martinica, 232
- Porzana, 219
 flaviventer, 220
- Potoo, Gray, 220
- Potter, Nathan S. III. Notes on the Yellow-breasted Sunbird, 159–163
- Pough, Richard H., biog. sketch of, 248
- Praedo, 218
- Preston, F. W., and J. M. McCormick. The eyesight of the Bluebird, 120–121
- Priotelus, 212, 215
- Progne ch. chalybea, 237
- Pseudoscops, 212, 215
- Psomocolax o. oryzivorus, 238
- Pteroglossus aracari atricollis, 235
 viridis, 235
- Ptilogonatidae, 210–211
- Ptiloxena, 213, 215, 216
 atroviolacea, 216
- Puff-bird, Black-breasted, 81–89
 Northern White-whiskered Soft-wing, 90
 Swallow-wing, 94–95
 White-whiskered Soft-wing, 89–93
- Pulsatrix perspicillata perspicillata, 234
- Pyrrhuphonia, 213, 215
- Pyrrhura picta picta, 233
- Querula purpurata, 237
- Quiscalus lugubris, 219, 221
 nicaraguensis, 219
 quiscula versicolor, 244–245
- Rallidae, 212
- Ramphastos tucanus, 235
- Ramphocelus c. carbo, 238
- Ramphocinclus, 213, 225
- Recurvirostra americana, 182
 avosetta, 43
- Red-wing, 26
 Eastern, 244
 Tricolored, 26
- Regulus calendula, 119
- Releasers, 6–51
- Rhinocryptidae, 216
- Rhinopteryx c. clamator, 234
- Rhytipterna simplex frederici, 236
- Richmondena cardinalis, 190
- Richmondeninae, 216

- Riggs, Carl D. The Family Eurypygiidae: A Review, 75-80, pl. 2
- Robin, Eastern, 183
- Rynchops nigra cinerascens*, 232
- Sakesphorus c. canadensis*, 236
- Salpinctes o. obsoletus*, 183
- Saltator coerulescens olivascens*, 239
 maximus, 115
 m. maximus, 239
- Sandpiper, Eastern Solitary, 245
 Spotted, 113
- Saskatchewan, 118-119
- Saunders, Richard M. "Flashing Wings" (reviewed), 56-57
- Saurothera, 211, 212, 215
- Sayornis saya*, 183
- Scardafella inca*, 113
- Schistochlamys m. melanopis*, 239
- Sclateria n. naevia*, 236
- Seedeater, Variable, 116
- Seibert, Henri C. *The Effect of Photoperiod and Temperature on Energy Intake* (abstract), 68
- Seiurus motacilla*, 113
- Selenidera culik*, 235
- Semple, John B. Obituary, 54
- Sericotes*, 212, 215, 224, 225
- Setzer, Henry W., see Arvey M. Dale, and —
- Sex reversal, 101
- Shortt, Terence M., 56
- Sialia mexicana occidentalis*, 181, 183
 sialis, 120-121
- Sims, Eleanor, and W. R. De Garmo. *Notes on the Swainson's Warbler in West Virginia* (abstract), 65
- Siphonorhis*, 212, 215
- Sitta canadensis*, 183
 pusilla, 225
- Sittasomus griseicapillus*, 109, 111
 g. sylviooides, 112
- Skutch, Alexander F. Life History Notes on Puff-birds, 81-97; Anting by some Costa Rican birds, 115-116
- Snipe, Wilson's, 183
- Somateria spectabilis*, 165
- Sparrow, Andean, 220
 Bachman's, 181, 183
 Clay-colored, 182
 Eastern Fox, 183
 Eastern Lark, 122
 English, 68
 Grasshopper, 220
 Harris', 171
 Seaside, 103-108
 Song, 28, 37, 53
 Tree, 183
 Western Lark, 122
 White-throated, 67, 68
- Spencer, Haven H. Sandhill Crane observed in southwestern Ohio, 187
- Sphyrapicus varius ruber*, 182
- Spindalis*, 211, 213, 215, 216, footnote, 226
- Spinus t. tristis*, 52-53, 183
- Spizella arborea*, 183
 pallida, 182, 183
- Spoonbill, Roseate, 170
- Sporophila a. americana*, 239
 aurita, 116
- Sprague, Isaac, 170
- Squires, Lewis, 170
- Staebler, Arthur E. *Color-banding and Other Methods of Marking Birds* (abstract), 65
- Starling, 68
- Starnoenas, 212, 215
- Stelgidopteryx ruficollis cacabatus*, 237
- Sterna albifrons antillarum*, 232
 superciliosus, 232
- Stopher, John J. *Birds of the Alaskan Tundra* (abstract), 68
- Street, J. Fletcher, 167
- Street, Phillips B. The Edward Harris Collection of Birds, 167-184
- Strigidae, 212
- Stuart, Laurence C., see Hatt, Robert T., et al.
- Sturnella magna*, 170, 182
 m. praticola, 238
 neglecta, 171, 178, 182
- Sunbird, Yellow-breasted, 159-163
- Sun-bittern, 75-80, pl. 2
- Surinam, 187, 230, 239
- Sutton, George Miksch. Breeding of Richmond's Swift in Venezuela, 189-190; pl. 2, opp. p. 75
- Swallow, American Barn, 245
 Bahaman, 225
- Swan, Trumpeter, 68
- Swift, Chimney, 241-242
 Gray-rumped, 223
 Lesser Antillean, 223
 Richmond's, 189-190
 Short-tailed, 223
- Synallaxis albescens albicularis*, 236
 g. gujanensis, 236
 r. rutilans, 236
- Tachornis, 212, 215
- Tachyphonus rufus*, 239
- Tamaulipas, 109-114, 186
- Tanager, Ant, 109, 112
- Tanagra lauta*, 113
 v. violacea, 238
- Tapera n. naevia*, 234
- Taraba major semifasciatus*, 236
- Taxonomy, 66, 67, 103-108, 185-186
- Teal, Blue-winged, 117
 Falcated, 66

- Temnotrogon, 212, 215, 218
Teretistris, 213, 215
Tern, 26
 Caspian, 53, 68
 Royal, 53
Texas, 103-108, 172-177, 185-186, 243,
 245, pl. 6, opp. p 207, pl. 7, opp. p.
 246
Thalasseus maximus, 53
Thamnophilus d. dolliatus, 236
 p. punctatus, 236
Thomas, Edward S. *Ornithology in
Ohio* (abstract), 64
Thomas, Ruth H., 67; see also Nice,
 Margaret M., and —
Thrasher, Pearly-eyed, see Margarops
Thraupidae, 213, 214, 216
Thraupis e. episcopus, 238
 palmarum melanoptera, 238
Threskiornithidae, 219
Thrush, Grand Cayman, 215
 La Selle, 220
 Wood, 98-102, 245
Thryomanes bewickii, 140
Thryothorus c. coraya, 238
 leucotis albipectus, 238
 ludovicianus, 139-158
Tiaris, 222
 bicolor, 226
 canora, 226
Tigrisoma l. lineatum, 230
Tinbergen, N. Social Releasers and the
 Experimental Method Required for
 their Study, 6-51
Titanohierax, 219, footnote
Titmouse, Tufted, 121
Tityra c. cayana, 237
 inquisitor erythrogenys, 237
Todidae, 210-211, 212
Todus, 211, 212, 214, 215
Tolmarchus, 211, 212, 215, 218
 caudifasciatus, 218
Tordoff, Harrison B. *Additions to the
Avifauna of Jamaica, B. W. I.* (ab-
stract), 65; review by, 253
Torreornis, 213, 215, 220
Totanus melanoleucus, 117, 119
Townsend, John K., 168, 182
Tringa flavipes, 183, 232
 melanoleuca, 232
 solitaria cinnamomea, 232
 s. solitaria, 245
Trochilidae, 212, 214, 224
Trochilus, 212, 215
 polytmus, 214
Trogloodytidae, 213, 218, 224
Trogon, 218
 m. melanurus, 234
 s. strigilatus, 234
Trogonidae, 212, 218
Turdidae, 213, 224
Turdus e. ericetorum, 17, 29-30, 33, 34
 f. fumigatus, 238
 leucomelas ephippialis, 238
 m. merula, 17, 29-30, 33, 34
 migratorius migratorius, 183
 n. nudigenis, 238
 swalesi, 220
Tympanuchus cupido pinnatus, 183
Tyrannidae, 212, 214, 216, 218
Tyrannus, 218
 dominicensis, 218
 d. vorax, 237
 melancholicus, 113
 m. despotes, 237
 verticalis, 182, 183
Tyto alba guttata, 230
 a. hellmayri, 230, 234
 ostologa, 219, footnote
 pollens, 219, footnote
Vanellus vanellus, 25, 26
Van Tyne, Josselyn. Home range and
duration of family ties in the Tufted
Titmouse, 121; Eskimo Curlew and
Whimbrel collected in Newfoundland
Labrador, 241; review by, 249;
see also Hatt, Robert T., et al.
Venezuela, 124, 189-190
Veniliornis cassini, 235
 sanguineus, 235
Veracruz, 66, 112
Verdin, pl. 7, opp. p. 246
Vermivora chrysoptera, 183
 peregrina, 183
Vestiaria coccinea, 182
Vireo, 218
 altiloquus, 218
 crassirostris, 225-226
 gundlachii, 226
Vireo, Black-whiskered, 218
 Cuban, 226
 Thick-billed, 225-226
Vireonidae, 218, 224
Virginia, 57-58, 66
Voice, 5, 17, 33, 64-65, 98-102, 139-140,
 143, 154-155, 159, 246
Volatinia, 224
Vulture, Turkey, 66
Walkinshaw, Lawrence H. A nest of the
 Spruce Grouse in east-central Sas-
 katchewan, 118-119, pls. 3, 4
Wallace, George J. *Further Studies of
Michigan Barn Owls* (abstract), 66
Warbler, Arrow-headed, 225
 Black and White, 113
 Golden, 225
 Hermit, 169
 Hooded, 183
 Kirtland's, 68
 MacGillivray's, 243
 Magnolia, 65

- Myrtle, 119
 Olive-capped, 222
 Pine, 222
 Pitayumi, 113
 Plumbeous, 225
 Rufous-capped, 109, 112
 Southern MacGillivray's, 243
 Swainson's, 65
 Yellow, 52, 53
 Yellow-throated, 222
- Ware, E. H. "Wing to Wing" (reviewed), 195
- Warner, Dwain W., see Mengel, Robert M., and —
- Water-Thrush, Louisiana, 113
- Webster, J. Dan. Bird notes from southeastern Texas, 245
- Weights, 230-239
- West Indies, 125, 207-229
- West Virginia, 65, 190
- Wetmore, Alexander. The Golden-fronted Woodpeckers of Texas and Northern Mexico, 185-186; A Pleistocene record for *Mergus merganser* in Illinois, 240
- Wheatear, 190
- Whimbrel, 241
- Wienert, Catherine C., see Lagler, Karl F., and —
- Wilson Bulletin Publication Dates, 1947, 135
- Wilson Ornithological Club, Announcements, 192; Library, 61, 133, 202-204, 257; Louis Agassiz Fuertes Research Grant, 55, 123-124; Member-ship Roll, 258-297; New Life Members, 55, 124, 134, 192, 248; Officers, 72; Proceedings, 62-71; Reports, 129-134
- Wilson, Rowland S. *The Birds of Attu, Westernmost of the Aleutian Islands* (abstract), 66
- Wilsonia citrina, 183
- Woodhewer, Barred, 116
- Woodpecker, Golden-fronted, 185-186
 Red-bellied, 183
- Wren, Bewick's, 140
 Canyon, 112
 Carolina, 139-158
- Wyoming, 66
- Xanthocephalus xanthocephalus, 183
- Xanthornus d. decumanus, 238
 viridis, 238
- Xenops minutus ruficaudus, 235
- Xenotriccus, 218
- Xiphidiopicus, 212, 215
- Xiphorhynchus guttatus polystictus, 236
 o. obsoletus, 236
- Yellow-legs, Greater, 117, 119
 Lesser, 183
- Zenaida a. asiatica, 226
- Zenaidura macroura, 188-189
 m. carolinensis, 183
- Zonotrichia, 221
 l. leucophrys, 183
 querula, 171
- Zoogeography, 207-229