

## INDEX FOR VOLUME XLVIII, 1936

Compiled by Chas. J. Spiker

- Aitken, W. W., Woodcock and Whistling Swan in Iowa, 131  
 —The American Woodcock in Mahaska County, Iowa, 219
- Allee, W. C., Analytical studies of group behavior in birds, 145-151
- Bailey, Harold H., Concerning the southern range of the Cowbird, 224
- Black, T. C., The Harris's Sparrow in east-central Illinois, 131
- Brooks, Maurice, A. S. Margolin, and Lloyd Poland, The Old-Squaw in West Virginia, 304
- Bryens, Oscar McKinley, Bird Banding in Luce County, Michigan, in the winter of 1935-36, 224
- Burleigh, Thomas D., Egg laying by the Cowbird during migration, 13-16
- Campbell, Louis W., An Unusual Colony of Alder Flycatchers, 164-168  
 —The Subspecies of Red-winged Blackbirds wintering near Toledo, Ohio, 304
- Campbell, Louis W. and Bernard R., Recent Records of the Orange-crowned Warbler near Toledo, Ohio, 135
- Cook, Mrs. Horace P., The scarcity of Hawks and Owls in Indiana, 50  
 —Bird Notes from Anderson, Indiana, 53
- Cottam, Clarence, Food of the Limpkin, 11-13
- Crook, Compton, Further additions to the list of the birds of Yellowstone National Park, 136
- Cunningham, James W., Supplementary bird records from Missouri for 1934, 307
- Fleetwood, Raymond J., A Winter Record of Henslow's Sparrow in Indiana, 48
- Gill, Geoffrey, The concentration of Catbirds at the close of the nesting season, 38-40  
 —Further notes on the constancy of Catbirds to mates and to territory, 303-305
- Gabrielson, Ira N., Bird notes from the Lake Francis region of southern Minnesota, 305-309
- Grange, Wallace, Some observations on the Ruffed Grouse in Wisconsin, 104-110
- Grinnell, Joseph, Trends in modern ornithology, 73-76
- Hainsworth, William P., Do herons use their beaks as spears?, 131
- Hendrickson, George O., Observations on nests and young of the Coot, 216-218
- Hicks, Lawrence E., An Indiana hawk migration, 51
- Hicks, Lawrence E. and Charles A. Dambach, A statistical survey of the winter bird life of southeastern Ohio—Muskingum County, 273-275
- Holland, Harold M., American Egrets at Ray Lake, Des Moines County, Iowa, 48
- Howard, William Johnston, Restoration of Roadside Cover by the C. C. C., 101-103
- Huey, Lawrence M., Notes on the Summer and Fall birds of the White Mountains, Arizona, 119-130
- Hunter, Lawrence E., Observations of bird life in Green Bay, 52
- Johnson, Perry Frank, Effects of the severe winter of 1935-36 on bird life of the Fort Wayne, Indiana, area, 221
- Kennard, Frederic H., John Marion Priour, 284-289
- Laskey, Amelia R., Fall and Winter behavior of Mockingbirds, 241-255
- Leopold, Aldo, Franklin J. W. Schmidt, 181-186
- Lewis, John B., Another three-egge set of the Mourning Dove, 48
- Linsdale, Jean M., Frequency of occurrence of summer birds in northern Michigan, 158-163
- McCabe, T. T., Endemism and the American Northwest, 289-302
- Malley, P. P., Herring Gulls on the Monongahela River during floor, 303  
 —The Orange-crowned Warbler at Pittsburgh, Pennsylvania, 303
- Marsh, V. L., Nesting of the Prairie Falcon in Montana, 33-37
- Monson, Gale, The Great-tailed Grackle in Arizona, 48  
 —Nesting of the Mexican Black Hawk in Arizona, 306

- Moseley, E. L., Blue Heron colonies in northern Ohio, 3-11  
 —Starlings bathing in ice water, 303  
 —Pugnacious cardinals, 303
- Munro, J. A., Behavior of the White-fronted Goose at T1-E11, Queen Charlotte Islands, B. C., 137  
 —A Study of the Ring-billed Gull in Alberta, 169-180  
 —Observations of the Sandhill Crane on the Queen Charlotte Islands, British Columbia, 305
- Murphy, Paul, Bird notes from Morris County, New Jersey, 220
- Nicholson, Donald J., Observations on the Florida Blue Jay, 26-33
- Over, W. H., The Snow Bunting in South Dakota, 132  
 —The Arctic Horned Owl in South Dakota, 304
- Overing, Robert, The 1935 fall migration at the Washington Monument, 222
- Perkins, S. E. III, Episodes in the life of Audubon in Indiana, 17-22
- Pettingill, Olin Sewall, Jr., Impressions of Grand Manan bird life, 111-119
- Pickens, A. L., Notes on nesting Ruby-throated Hummingbirds, 80-85
- Poor, Hustace H., A Herring Gull attacked by a Bald Eagle, 220
- Rapp, F. W., Peculiar actions of a Great Blue Heron, 52
- Roads, Katie M., Black Vultures kill and eat new-born lambs, 219  
 —A third three-egg set of the Eastern Mourning Dove, 219  
 —An early Ohio record of the Bachman's Sparrow, 303
- Rosene, Walter M., The Red-shafted Flicker in Boone County, Iowa, 219
- Rosene, Walter, Jr., Another record of the American Egret in Polk County, Iowa, 219
- Schmidt, F. J. W., Winter food of the Sharp-tailed Grouse and Pinnated Grouse in Wisconsin, 186-203
- Shoop, Cora, Sex Ratio of English Sparrows, 133  
 —The cautious female Cardinal, 303
- Skaggs, Merit B., The Mute Swan and European Widgeon in Ohio, 131  
 —The occurrence of White Herons in the Youngstown, Ohio, region, 269-272
- Skinner, M. P., Communications, 225
- Starrett, William C., Some bird notes from central Illinois, 53
- Stevens, O. A., The first descriptions of North American birds, 203-215  
 —An unusual nest of the Vesper Sparrow, 304
- Stevenson, James, Bird notes from Oklahoma, 132
- Stiles, Bruce F., Field marks of the Blue-winged Teal, 134  
 —American Pintail exhibits feigning behavior, 307
- Stoner, Dayton, Wildlife casualties on the highways, 276-283
- Stophlet, John J., A Red-tailed Hawk caught by hand, 49
- Strong, R. M. and W. C. Allee, Percival Brooks Coffin, 22-25
- Taylor, Mrs. H. J., Thure Ludwig Theodor Kumlien, 86-93
- Thomas, O. S., The European Starling in Osceola County, Iowa, 219
- Tomkins, Ivan R., Notes on the winter food of the Short-eared Owl, 77-79
- Trimble, Ruth, The bird collection of the Carnegie Museum, 41-47
- Walker, Charles F. and Milton B. Trautman, Notes on the Horned Larks of the central Ohio region, 151-155
- Walkinshaw, Lawrence H., Notes on the Field Sparrow in Michigan, 94-101
- Welter, Wilfred A., Feather arrangement, development, and molt of the Long-billed Marsh Wren, 256-269
- Weston, Francis M., The field characters of the Black-bellied and Golden Plovers, 133
- Wilson, Gordon, Additions to "Bird life of a transient lake in Kentucky", 49
- Wood, Norman A., Thomas Leroy Hankinson, 156-158
- Youngworth, Wm., The cruising speed of the Golden Plover, 53  
 —The Pine Siskin nesting in southeastern South Dakota, 303  
 —The Cinnamon Teal in northeastern South Dakota, 303

- (Numbers in *italic* indicate pages on which the species is the subject of a major article or field note).
- Accipiter v. *velox*, 122  
 Actitis macularia, 77, 123, 306  
 Agelaius phoeniceus arctolegus, 311  
 Agelaius p. nevadensis, 129  
 Agelaius p. phoeniceus, 304  
 Aimophila aestivalis bachmani, 310  
 Albatross, Black-footed, 211  
   Short-tailed, 209  
 Anas p. platyrhynchos, 120  
 Anas rubripes tristis, 136  
 Ani, Groove-billed, 212  
 Anser a. albifrons, 137  
 Aquila chrysaetos canadensis, 122  
 Aramus p. pictus, 11  
 Ardea h. herodias, 3, 52, 131, 306  
 Ardea h. treganzai, 120, 314  
 Arenaria interpres, 77  
 Asio f. flammeus, 77, 307  
 Auk, Razor-billed, 118  
 Auklet, Cassin's, 210  
   Crested, 209  
   Least, 209  
   Paroquet, 209  
   Rhinceros, 209  
   Whiskered, 209  
 Auriparus f. flaviceps, 314  
 Avocet, American, 18, 133, 179, 180, 209  
 Baeolophus wollweberi annexus, 314  
 Balanosphyra formicivora aculeata, 123  
 Baldpate, 49, 209  
 Bittern, American, 52, 162, 210, 306  
   Least, 208, 306  
 Blackbird, Brewer's, 34, 129  
   Nevada Red-winged, 129  
   Red-winged, 56, 162, 203, 207, 221, 308  
   Rusty, 297  
   Tricolored Red-winged, 211  
   Yellow-headed, 89, 212, 308  
 Bluebird, Eastern, 56, 203, 206, 274, 275, 309  
   Mountain, 126  
   Western, 212  
 Blue-throat, Red-spotted, 206  
 Bobolink, 162, 207, 308  
 Bob-white, 59, 61, 207, 221, 275, 306  
 Bombycilla cedrorum, 309  
 Bonasa umbellus togata, 104  
 Booby, 203  
 Botaurus lentiginosus, 52, 306  
 Branta canadensis minima, 137  
 Branta c. occidentalis, 313  
 Brant, Black, 214  
 Bubo virginianus pallescens, 123  
 Bubo v. subarcticus, 311  
 Buffle-head, 207  
 Bunting, Indigo, 161, 207  
   Lark, 112, 204, 213  
   Lazuli, 213  
   McKay's, Snow, 215  
   Painted, 207, 315  
   Snow, 43, 132, 206, 222, 224, 274  
   Varied, 212  
 Bush-tit, Coast, 213  
 Buteo b. borealis, 49  
 Buteo b. calurus, 122  
 Buteo b. regalis, 122  
 Butorides virescens, 306  
 Canary, Common Caged, 62, 145, 248  
 Canvas-back, 211  
 Caracara, 285  
 Caracara, Guadalupe, 42, 215  
 Cardinal, 26, 54, 61, 133, 207, 247, 250, 252, 254, 275, 312, 313  
 Carpodacus amplus, 42  
 Casmerodius albus egretta, 48, 52, 269  
 Cassidix mexicanus, 48  
 Catbird, 34, 38, 61, 162, 165, 207, 223, 246, 247, 303, 309  
 Cathartes aura septentrionalis, 219  
 Catherpes mexicanus conspersus, 133  
 Certhia familiaris montana, 126  
 Chaetura pelagica, 307  
 Charadrius d. dominicus, 53  
 Chat, Yellow-breasted, 207, 223  
 Chen caerulescens, 53, 132  
 Chen h. hyperboreus, 132  
 Chickadee, Acadian, 113  
   Alaska, 209  
   Black-capped, 115, 161, 208, 254  
   Carolina, 211, 275  
   Chestnut-backed, 213  
   Hudsonian, 209  
   Long-tailed, 309  
   Mountain, 125, 214  
 Chicken, Domestic, 146, 277  
   Greater Prairie, 176  
   Lesser Prairie, 215  
   Prairie, 59, 181, 182, 186  
 Chlidonias nigra surinamensis, 305  
 Chordeiles minor henryi, 123  
 Chuck-will's-widow, 208  
 Cinclus mexicanus unicolor, 126  
 Circus hudsonius, 78, 306  
 Clangula hyemalis, 220, 311  
 Coccyzus erythrophthalmus, 307  
 Colaptes auratus, 77, 307  
 Colaptes cafer collaris, 123, 219  
 Colaptes cafer rufipileus, 42  
 Colinus virginianus, 306  
 Compothlypis americana ramalinae, 315  
 Coot, American, 50, 59, 123, 208, 216  
 Coragyps a. atratus, 219

- Cormorant, Baird's, 136  
     Double-crested, 52, 136, 225  
     Farallone, 136  
     Pelagic, 209  
 Corthylio c. calendula, 125  
 Corvus b. brachyrhynchos, 307  
 Corvus b. hesperis, 125  
 Corvus b. paulus, 315  
 Corvus caurinus, 295  
 Cowbird, 13, 60, 77, 100, 161, 209, 224, 308  
 Crane, Little Brown, 207  
     Sandhill, 21, 182, 203, 312  
     Whooping, 207  
 Creeper, Brown, 56, 115, 162, 204, 206, 223, 274, 275  
     Rocky Mountain, 126  
 Crocethia alba, 132  
 Crossbill, American, 204, 274  
     Mexican, 130  
     White-winged, 208, 297  
 Crow, Carrion, 204  
     Eastern, 27, 30, 32, 112, 161, 174, 175, 204, 211, 274, 275, 307  
     Fish, 211  
     Northwestern, 295  
     Southern, 315  
     Western, 125  
 Cuckoo, Black-billed, 161, 211, 307  
     Yellow-billed, 207  
 Curlew, Bristle-thighed, 208  
     Eskimo, 209  
 Cyanocitta cristata, 307  
 Cyanocitta cristata florincola, 26, 315  
 Cyanocitta stellari diademata, 125  
 Cygnus columbianus, 131  
 Dafila acuta tzitzihua, 314  
 Dendragapus o. obscurus, 122  
 Dendroica auduboni nigrifrons, 128  
 Dickcissel, 208, 308  
 Dipper, 126, 212  
 Diver, Northern, 21  
 Dolichonyx oryzivorus, 308  
 Dove, Eastern Mourning, 48, 59, 161, 165, 207, 219, 221, 275, 277, 306  
     Inca, 314  
     Ring, 146  
     Western Mourning, 123  
     Western White-winged, 314  
     White-fronted, 214  
     White-winged, 207  
     Zenaida, 212  
 Dowitcher, 132, 209  
     Long-billed, 50  
 Dryobates p. medianus, 307  
 Dryobates p. pubescens, 315  
 Dryobates, villosus leucothorectis, 124  
 Duck, Black, 136, 162, 225, 275  
     Florida, 215  
     Harlequin, 207  
     Labrador, 209  
     Masked, 208  
     New Mexican, 215  
     Ring-necked, 49, 210, 275  
     Wood, 206  
 Dumetella carolinensis, 38, 309  
 Eagle, Bald, 50, 52, 162, 206, 220  
     Golden, 122  
 Egret, American, 48, 49, 52, 219, 226, 269  
     Snowy, 210, 269  
 Egretta t. thula, 269  
     Steller's, 209  
 Eider, American, 118  
 Empidonax d. difficilis, 124  
 Empidonax t. trailli, 164  
 Empidonax wrighti, 124  
 Euphagus cyanocephalus, 129  
 Falco columbarius, 78  
 Falco mexicanus, 33  
 Falco s. sparverius, 122, 307  
 Falcon, Aplomado, 210  
     Prairie, 33  
 Finch, African Weaver, 61  
     Aleutian Rosy, 210  
     Eastern Purpl, 161, 208, 274  
     Gray-crowned Rosy, 212  
     Guadalupe House, 42, 215  
 Flamingo, 203, 206  
 Flicker, Guadalupe, 42  
     Northern, 77, 161, 203, 206, 223, 247, 274, 275, 277, 307  
     Red-shafted, 123, 219  
 Florida caerulea, 269  
 Flycatcher, Acadian, 166, 211  
     Alder, 115, 162, 164, 211  
     Ash-throated, 214  
     Derby, 208  
     Gray, 214  
     Least, 115, 161, 214  
     Northern Crested, 162, 206  
     Olive-sided, 115, 124, 162  
     Scissor-tailed, 112, 208  
     Vermillion, 209, 314  
     Western, 124, 214  
     Yellow-bellied, 113, 115, 214, 297  
 Fulica a. americana, 123, 216  
 Gadwall, 179, 206, 275  
 Gallinula chloropus cachinnans, 53, 132  
 Gallinule, Florida, 49, 50, 53, 132  
     Purple, 208  
 Geothlypis t. trichas, 315  
 Gnatcatcher, Blue-gray, 207  
     Plumbeous, 214  
 Godwit, Hudsonian, 207  
     Marbled, 179, 207

- Golden-eye, American, 49, 221, 275  
Barrow's, 208
- Goldfinch, Arkansas, 213  
Eastern, 161, 207, 248, 275, 308  
Green-backed, 314  
Lawrence's, 214
- Goose, Blue, 49, 53, 132, 207  
Cackling, 137  
Canada, 179, 180, 206  
Lesser Snow, 132, 209  
Ross's, 214  
Snow, 20, 21, 182  
White-checked, 313  
White-fronted, 137
- Grackle, Bronzed, 161, 221, 248, 275, 308  
Florida, 26  
Great-tailed, 48  
Purple, 207
- Grebe, Holboell's, 209  
Horned, 206, 222  
Pied-billed, 50, 120, 162, 206, 275, 305  
Western, 214  
West Indian, 208
- Grosbeak, Black-headed, 61, 212  
Blue, 54, 207  
Evening, 53, 274  
Mexican Evening, 129  
Pine, 206, 274  
Rose-breasted, 54, 61, 208  
Western Evening, 129
- Grouse, Dusky, 122, 213  
Hudsonian, Spruce, 207  
Pinnated, 186  
Red, 189, 191  
Ruffed, 59, 104, 161, 187, 188, 201, 207, 275  
Sharp-tailed, 186, 207  
Sooty, 215
- Grus canadensis tabida, 312
- Gull, Bonaparte's, 212  
California, 169, 172, 214  
Great Black-backed, 118  
Heerman's, 214  
Herring, 118, 162, 220, 221, 275, 310  
Laughing, 207  
Ring-billed, 162, 169, 275  
Western, 211
- Guillemot, Black, 117, 118
- Haliaeetus leucocephalus, 220
- Hawk, American Rough-legged, 50, 51, 56, 274  
Broad-winged, 51, 116, 210  
Cooper's, 51, 108, 186, 212, 274, 275  
Ferruginous Rough-legged, 122  
Florida Red-shouldered, 28  
Marsh, 50, 52, 78, 116, 162, 186, 207, 275, 285, 306  
Mexican Black, 313  
Northern Red-shouldered, 50, 51, 108, 162, 209, 275  
Pigeon, 52, 78, 206  
Red-tailed, 49, 50, 51, 108, 208, 275  
Sharp-shinned, 51, 116, 122, 162, 211, 275  
Short-tailed, 210  
Sparrow, 50, 52, 116, 122, 162, 206, 250, 275, 307  
Swainson's, 211  
White-tailed, 210  
Western Red-tailed, 122  
Winter, 21
- Hen, Heath, 206  
Sage, 212
- Herodias albus egretta, 219
- Heron, Black-crowned Night, 9, 49, 50, 52, 131, 306  
Eastern Green, 50, 206, 306  
Great Blue, 3, 50, 52, 131, 161, 207, 306  
Great White, 211  
Little Blue, 206, 269  
Treganza's, 120, 207  
Yellow-crowned Night, 112, 206
- Hesperiphona vespertina brooksi, 129
- Hesperiphona v. montana, 129
- Hesperiphona v. vespertina, 53
- Hirundo erythrogaster, 309
- Hummingbird, Broad-billed, 212  
Broad-tailed, 123, 212  
Lucifer, 212  
Rivoli's, 212  
Ruby-throated, 56, 80, 162, 207  
Rufous, 209  
White-eared, 210  
Xanthus's, 214
- Hydroprogne caspia imperator, 133
- Hylocichla, 294
- Hylocichla guttata auduboni, 126
- Ibis, White, 206  
White-faced Glossy, 208  
Wood, 207
- Icterus cucullatus nelsoni, 307
- Icterus galbula, 308
- Iridoprocne bicolor, 309
- Ixobrychus exilis, 306
- Jacana, Mexicana, 207
- Jay, Blue, 54, 61, 115, 161, 203, 206, 274, 275, 307  
Canada, 115, 208, 297  
Florida Blue, 26, 315  
Long-crested, 125  
Oregon, 212  
Pinion, 24  
Rocky Mountain, 125  
Steller's, 208  
Woodhouse's, 24

- Junco, Baird's, 215  
     Guadalupe, 42, 215  
     hyemalis, 77  
     insularis, 42  
     Oregon, 213  
     phaeonatus dorsalis, 130  
     Pink-sided, 214  
     Red-backed, 127, 130, 212  
     Slate-colored, 77, 112, 161, 207, 275  
 Killdeer, 161, 207, 274, 275, 306  
 Kingbird, Arkansas, 213  
     Cassin's, 212, 314  
     Couch's, 210  
     Eastern, 115, 161, 206, 307  
 Kingfisher, Eastern Belted, 161, 207, 222, 275, 307  
     Western Belted, 123, 314  
 Kinglet, Eastern Golden-crowned, 77, 115, 162, 206, 223, 275  
     Eastern Ruby-crowned, 128, 207, 223  
     Western Golden-crowned, 128  
 Kite, Everglade, 210  
     Mississippi, 211  
     Swallow-tailed, 206  
     White-tailed, 210  
 Lanius l. ludovicianus, 315  
 Lanius l. migrans, 309, 315  
 Lapwing, 112  
 Lark, Horned, 151, 206, 222  
     Hoyt's, 132, 154  
     Montezuma, 124  
     Northern, 152, 274, 275  
     Prairie, 151, 162, 274, 275, 307  
 Larus argentatus, 20  
 Larus argentatus smithsonianus, 220  
 Larus californicus, 169  
 Larus delawarensis, 169  
 Limnodromus griseus, 132  
 Limpkin, 11  
 Longspur, Chestnut-collared, 112, 213  
     Lapland, 43, 206, 222, 274  
     McCown's, 214  
     Smith's, 212, 297  
 Loon, 21, 210  
 Lophodytes cucullatus, 220  
 Loxia curvirostra stricklandi, 130  
 Magpie, 204, 206  
     Yellow-billed, 212  
 Mallard, 120, 137, 179, 206, 275  
 Mareca penelope, 131  
 Martin, Purple, 125, 162, 207, 246, 308  
 Meadowlark, Eastern, 50, 61, 161, 207, 221, 275, 308  
     Lilian's, 129  
     Southern, 308  
     Western, 211, 308  
 Megaceryle alcyon alcyon, 307  
 Megaceryle alcyon caurina, 123, 314  
 Melanerpes erythrocephalus, 307  
 Meleagris gallopavo merriami, 122  
 Melopelia asiatica mearnsi, 314  
 Melospiza l. lincolni, 130  
 Melospiza melodia, 308  
 Merganser, American, 162, 220, 221, 274  
     Hooded, 206, 220, 275  
     Red-breasted, 221  
 Mergerus merganser americanus, 220  
 Mimus p. polyglottos, 241  
 Mockingbird, 26, 56, 165, 206, 241, 275  
 Molothrus a. ater, 13, 77, 100, 308  
 Murrelet, Ancient, 209  
     Marbled, 209  
 Myadestes townsendi, 128, 314  
 Myiochanes r. richardsoni, 124  
 Myiochanes virens, 307  
 Nighthawk, Eastern, 161, 208, 209  
     Texas, 209  
     Western, 123  
 Nucifraga columbiana, 125  
 Nutcracker, Clarke's, 125, 211  
 Nuthatch, Black-eared, 125  
     Red-breasted, 125, 162, 208  
     Rocky Mountain, 125  
     White-breasted, 208, 274, 275, 309  
 Nuttallornis mesoleucos, 124  
 Nycticorax nycticorax hoactli, 131, 306, 314  
 Nycticorax n. naevius, 52  
 Oberholseria chlorura, 130  
 Old-Squaw, 49, 220, 221, 311  
 Oporornis talmiei, 129  
 Oriole, Arizona Hooded, 314  
     Baltimore, 55, 203, 207, 308  
     Bullock's, 212  
     Hooded, 212  
     Orchard, 55, 207  
     Scott's, 212  
 Osprey, 49, 50, 53, 116, 132, 162, 208, 275  
 Otocoris alpestris, 151  
 Otocoris a. alpestris, 151, 152  
 Otocoris a. hoyti, 151, 154  
 Otocoris a. occidentalis, 124  
 Otocoris a. praticola, 151, 307  
 Otus asio naevius, 307  
 Ovenbird, 115, 161, 207, 223  
 Owl, Arctic Horned, 311  
     Barn, 50, 79, 275  
     Barred, 50, 53, 56, 210, 275  
     Burrowing, 210  
     Great Gray, 209  
     Great Horned, 37, 62, 162, 208, 275, 311  
     Hawk, 50, 206  
     Long-eared, 50, 211  
     Screech, 26, 50, 207, 250, 275, 307  
     Short-eared, 50, 77, 210, 307  
     Snowy, 50, 108, 206  
     Spotted, 214  
     Western Horned, 123

- Oxyechus vociferus*, 306  
 Oyster-catcher, American, 211  
     Black, 209  
*Pandion haliaetus carolinensis*, 49, 53, 132  
 Parakeet, 21  
     Shell, 146, 147  
 Paroquet, Carolina, 207  
 Parrot, Thick-billed, 212  
 Partridge, Gray, 175  
     Spruce, 115  
 Pauraque, Merrill's, 208  
*Passerculus sandwichensis*, 78  
*Passer domesticus*, 89  
*Passerella iliaca*, 77  
*Passerherbulus h. henslowi*, 48  
*Passerina ciris*, 315  
*Passerina cyanea*, 308  
*Pedioecetes phasianellus campestris*, 187  
 Pelican, Brown, 20, 203, 207  
     White, 208  
*Penthestes atricapillus septentrionalis*, 309  
*Penthestes g. gambeli*, 125  
*Perdix perdix*, 175  
*Perisoreus canadensis capitalis*, 125  
 Petrel, Ashy, 215  
     Black, 212  
     Forked-tailed, 209  
     Leach's, 118, 210  
     Least, 215  
 Pewee, Eastern Wood, 115, 161, 208, 307  
     Western Wood, 124, 212  
 Phainopepla, 212  
*Phalacrocorax auritus albiciliatus*, 136  
 Phalarope, Northern, 207  
     Red, 207  
     Wilson's, 50, 211  
 Pheasant, Ring-necked, 59, 275  
*Philohela minor*, 131, 219  
 Phoebe, Black, 212  
     Eastern, 61, 115, 161, 208  
     Say's, 212  
*Picoides arcticus*, 53  
*Picoides tridactylus dorsalis*, 124  
 Pigeon, Band-tailed, 213  
     Domestic, 61, 145, 277  
     Passenger, 207  
     White-crowned, 207  
 Pintail, American, 206, 275, 314  
 Pipit, Sprague's, 211, 297  
*Piranga ludoviciana*, 129  
*Pisobia melanotos*, 306  
*Plectrophenax n. nivalis*, 132  
 Plover, Black-bellied, 49, 77, 133  
     Golden, 49, 53, 133, 207  
     Mountain, 213  
     Piping, 49, 162  
     Ring-billed, 212  
     Wilson's, 212  
*Podilymbus p. podiceps*, 120, 305  
*Polyborus lutosus*, 42  
*Poocetes gramineus*, 77, 308  
*Poocetes g. confinis*, 130  
 Poor-will, Nuttall's, 211  
*Porzana carolina*, 77  
*Progne s. subis*, 125, 308  
 Ptarmigan, Rock, 43, 209  
     Willow, 208  
 Puffin, Atlantic, 117, 118  
*Puffinus auricularis*, 42  
 Pyrrhuloxia, 212  
*Pyrrhuloxia Arizona*, 314  
*Pyrrhuloxia s. sinuata*, 314  
*Pyrocephalus rubinus mexicanus*, 314  
 Quail, Gambel's, 214  
*Querquedula cyanoptera*, 310  
*Querquedula discors*, 134, 306  
*Quiscalus quiscula aeneus*, 308  
 Rail, California Clapper, 215  
     King, 50, 211  
     Northern Clapper, 209  
     Virginia, 122, 162, 210, 277  
     Yellow, 209  
*Rallus l. limicola*, 122  
 Raven, 116, 204, 206  
*Recurvirostra americana*, 133  
 Redhead, 49  
 Redpoll, 59, 206, 224, 274  
     Hoary, 224  
     Holboell's, 43  
 Redstart, American, 55, 114, 115, 161, 207, 223  
     Painted, 212  
 Redwing, 207  
     Tricolored, 211  
*Regulus satrapa*, 77  
*Regulus s. olivaceus*, 128  
 Robin, Eastern, 21, 56, 61, 77, 79, 112, 161, 165, 172, 207, 221, 250, 251, 274, 275, 309  
     San Lucas, 214  
     Southern, 308  
     Western, 126  
*Salpinctes o. obsoletus*, 126  
 Sanderling, 132, 210

- Sandpiper, Baird's, 50  
 Buff-breasted, 210  
 Curlew, 210  
 Least, 134, 162  
 Pectoral, 210, 306  
 Red-backed, 50  
 Rufous-necked, 210  
 Semipalmated, 134, 208  
 Solitary, 77, 306  
 Spotted, 77, 123, 161, 207, 306  
 Stilt, 212  
 Western, 213  
 Western Solitary, 307  
 White-rumped, 210
- Sapsucker, Natalie's, 124  
 Red-naped, 123  
 Williamson's, 214  
 Yellow-bellied, 56, 77, 162, 207, 223
- Scarfadella i. inca, 314
- Scaup, Lesser, 49, 50, 131, 275
- Scoter, American, 212  
 Surf, 49, 212  
 White-winged, 49, 212
- Seedeater, Sharp's, 212
- Selasphorus p. platycercus, 123
- Serinus canarius, 62
- Setophaga ruticilla, 309
- Shearwater, Black-vented, 215  
 Pink-footed, 215  
 Sooty, 208  
 Townsend's, 42
- Shoveller, 49, 50, 206
- Shrike, Loggerhead, 208, 315  
 Migrant, 162, 274, 275, 309, 315  
 Northern, 209, 224, 274
- Sialia currocoides, 126
- Sialia sialis, 309
- Siskin, Northern Pine, 115, 129, 162, 211, 310
- Sitta canadensis, 125
- Sitta c. carolinensis, 309, 315
- Sitta carolinensis nelsoni, 125
- Sitta pygmaea melanotis, 125
- Skimmer, Black, 112, 207
- Snipe, Red-breasted, 18  
 Wilson's, 61, 162, 211
- Solitaire, Townsend's, 24, 128, 212, 314
- Sora, 77, 162, 207
- Sparrow, Acadian, 116  
 Bachman's, 310  
 Baird's, 211  
 Bell's, 214  
 Black-throated, 214  
 Brewer's, 212  
 Chipping, 308  
 Clay-colored, 162, 212  
 Dusky Seaside, 215  
 Eastern Chipping, 98, 161, 166  
 Eastern Lark, 112, 213  
 Eastern Vesper, 77, 161, 208, 275, 311  
 English, 30, 60, 89, 133, 161, 275, 276  
 European Tree, 56  
 Field, 94, 162, 165, 211, 223, 275, 308  
 Fox, 56, 77, 79  
 Gambel's, 130  
 Golden-crowned, 210  
 Grasshopper, 223  
 Harris's, 131, 213, 297  
 Henslow's, 211  
 Large-billed, 215  
 Leconte's, 208  
 Lincoln's, 127, 130, 211  
 Mississippi Song, 275  
 Rufous-crowned, 214  
 Rufous-winged, 215  
 Sage, 214  
 Savannah, 18, 112, 116, 162, 208  
 Song, 60, 61, 161, 208, 223, 274  
 Swamp, 208  
 Texas, 214  
 Tree, 59, 61, 209, 275  
 Vesper, 308  
 Western Chipping, 130  
 Western Henslow's, 48  
 Western Lark, 34  
 Western Vesper, 130  
 White-crowned, 146, 209  
 White-throated, 56, 77, 79, 112, 146, 162, 208
- Sphyrapicus thyroideus nataliae, 124
- Sphyrapicus varius, 77
- Sphyrapicus varius nuchalis, 123
- Spinus p. pinus, 129, 310
- Spinus psaltria hesperophilus, 314
- Spinus tristis, 308
- Spiza americana, 308
- Spizella pallida, 94
- Spizella passerina arizonae, 130
- Spizella p. passerina, 94, 308
- Spizella p. pusilla, 94, 308
- Spoonbill, Roseate, 207
- Squatarola squatarola, 77
- Starling, 61, 219, 250, 274, 275, 310
- Stelgidopteryx ruficollis serripennis, 309
- Sterna h. hirundo, 133
- Stheniledes olor, 131



- Sturnella magna*, 308  
*Sturnella m. argutula*, 315  
*Sturnella m. lilianae*, 129  
*Sturnella neglecta*, 308  
*Sturnus v. vulgaris*, 219  
 Surf-bird, 208  
 Swallow, Bank, 114, 162, 206, 309  
     Barn, 114, 161, 209, 309  
     Cuban Cliff, 210  
     Northern Cliff, 35, 114, 162  
     Rough-winged, 161, 210, 309  
     Tree, 114, 162, 210, 309  
     Violet-green, 124, 212  
 Swan, Mute, 131  
     Whistling, 131, 212  
 Swift, Chimney, 161, 207, 307  
     Vaux's, 213  
*Tachycineta thalassina lepida*, 124  
 Tanager, Scarlet, 55, 161, 208, 223  
     Summer, 207, 252  
     Western, 129, 211  
 Tattler, Wandering, 208  
 Teal, Blue-winged, 50, 134, 207, 306, 310  
     Cinnamon, 210, 310  
     Green-winged, 134, 209  
*Telmatodytes palustris*, 77  
*Telmatodytes p. iliacus*, 309  
*Telmatodytes palustris dissaepatus*, 256  
 Tern, Aleutian, 214  
     Arctic, 118  
     Black, 50, 112, 305  
     Caspian, 133, 161, 210  
     Common, 50, 118, 133, 161, 206  
     Elegant, 214  
     Noddy, 203, 207  
     Royal, 209  
     Sooty, 208  
 Thrasher, Bendire's, 215  
     Brown, 26, 61, 161, 165, 206, 309  
     California, 214  
     Curve-billed, 212  
     Leconte's, 214  
     Sage, 213  
 Thrush, Audubon's Hermit, 126  
     Gray-cheeked, 54  
     Hermit, 54, 161, 210, 275  
     Olive-backed, 54, 114, 162  
     Red-breasted, 21  
     Russet-backed, 213  
     Varied, 208  
     Wilson's, 54, 162, 208  
     Wood, 54, 208  
 Tit, Siberian, 209  
 Titmouse, Black-crested, 214  
     Bridled, 314  
     Plain, 214  
     Tufted, 62, 207, 254, 275  
     Wollweber's, 212  
 Towhee, Abert's, 214  
     Arctic, 34, 212  
     California, 212  
     Green-tailed, 130, 212  
     Guadalupe, 215  
     Red-eyed, 56, 112, 161, 203, 207, 246, 275  
*Toxostoma rufum*, 309  
*Traversia lyalli*, 42  
 Tree-duck, Black-bellied, 207  
     Fulvous, 210  
*Tringa solitaria*, 77, 306  
*Tringa solitaria cinnamomea*, 314  
*Troglodytes aedon parkmani*, 126, 309  
 Tropic-bird, 203  
     Red-billed, 207  
*Turdus migratorius*, 77, 309  
*Turdus m. achrusterus*, 315  
*Turdus m. propinquus*, 126  
 Turkey, American, 20, 21, 59, 207  
     Merriam's, 122  
 Turnstone, Ruddy, 49, 77, 306  
*Tyrannus tyrannus*, 307  
*Tyrannus vociferans*, 314  
*Tyto alba pratincola*, 79  
*Urubitinga a. anthracina*, 313  
 Veery, 162, 208  
 Verdin, Arizona, 314  
*Vermivora c. celata*, 310  
*Vermivora luciae*, 314  
*Vermivora virginiae*, 128  
 Vireo, Bell's, 211  
     Black-whiskered, 207  
     Blue-headed, 211, 223  
     Cassin's, 128  
     gilvus swainsoni, 128  
     Gray, 215  
     Hutton's, 214  
     Philadelphia, 214, 223  
     Plumbeous, 128  
     Red-eyed, 14, 115, 161, 207, 223  
     solitarius cassini, 128  
     solitarius plumbeus, 128  
     Warbling, 210  
     Western Warbling, 128  
     White-eyed, 209, 223  
     Yellow-throated, 210  
 Vulture, Black, 219  
     Turkey, 21, 51, 207, 219, 275  
 Wagtail, Yellow, 206

- Warbler, Audubon's, 213  
 Bachman's, 211  
 Bay-breasted, 115, 211, 223  
 Black and White, 115, 161, 208, 223  
 Blackburnian, 162, 223  
 Black-fronted, 128  
 Black-poll, 112, 209, 223, 297  
 Black-throated Blue, 115, 162, 223  
 Black-throated Gray, 213  
 Black-throated Green, 112, 115, 161, 223  
 Blue-winged, 207  
 Canada, 115, 162, 208  
 Cape May, 223, 297  
 Cerulean, 211  
 Chestnut-sided, 162, 207  
 Connecticut, 54, 211, 223  
 Golden-winged, 54, 207  
 Grace's, 214  
 Hermit, 213  
 Hooded, 209  
 Kentucky, 54, 210  
 Kirtland's, 214  
 Lucy's, 314  
 MacGillivray's, 129, 213  
 Magnolia, 162, 223  
 Mangrove, 210  
 Mourning, 162, 211  
 Myrtle, 56, 162, 207, 297  
 Nashville, 114, 211, 223  
 Orange-crowned, 135, 213, 310  
 Palm, 208  
 Parula, 112, 115, 162, 207, 223  
 Pine, 54, 162, 211  
 Prothonotary, 54, 209  
 Sennett's, 210  
 Swainson's, 211  
 Tennessee, 115, 211, 223, 297  
 Townsend's, 213  
 Virginia's, 128, 214  
 Western Parula, 315  
 Wilson's, 211  
 Worm-eating, 208  
 Yellow, 34, 162, 165, 203, 309  
 Yellow Palm, 223  
 Yellow-throated, 208
- Water-thrush, 209  
 Louisiana, 210
- Water-turkey, 208
- Waxwing, Bohemian, 206, 274  
 Cedar, 112, 161, 206, 274, 275, 309
- Wheatear, 206
- Whip-poor-will, 54, 161, 209, 224
- Widgeon, European, 131
- Willet, 209  
 Western, 50
- Woodcock, 21, 50, 53, 116, 131, 162, 209, 219
- Woodpecker, Alpine Three-toed, 124  
 Arctic Three-toed, 53, 212  
 Ant-eating, 212  
 Eastern Hairy, 162, 207, 275  
 Ivory-billed, 62, 206  
 Lewis's, 211  
 Mearns's, 123  
 Northern Downy, 162, 207, 274, 275, 307  
 Nuttall's, 214  
 Pileated, 56, 206, 275  
 Red-bellied, 206, 274, 275  
 Red-cockaded, 210  
 Red-headed, 102, 206, 274, 275, 307  
 Southern Downy, 315  
 Three-toed, 297  
 White-breasted, 124  
 White-headed, 214
- Wren, Bewick's, 211, 275  
 Cañon, 133  
 Carolina, 208, 221, 275  
 Eastern House, 61, 161, 165, 210, 256, 260, 309  
 Eastern Winter, 21, 115, 161, 211, 274, 275  
 Guadalupe, 215  
 Long-billed Marsh, 77, 211, 223, 256, 309  
 Reck, 35, 126, 213  
 Short-billed Marsh, 223  
 Western House, 126  
 White-throated, 212
- Wren-tit, Gambel's, 214
- Xanthocephalus xanthocephalus, 308
- Yellowthroat, Belding's, 215  
 Maryland, 207, 223, 315  
 Northern, 114, 223  
 Rio Grande, 214
- Yellow-legs, Greater, 209  
 Lesser, 209
- Zenaidura macroura carolinensis, 48, 219
- Zenaidura macroura marginella, 123, 306
- Zonotrichia albicollis, 77
- Zonotrichia leucophrys gambeli, 130
- Zonotrichia querula, 131